LA SALLE COLLEGE BULLETIN
EVENING DIVISION 1967-1968

ACCREDITATION AND MEMBERSHIP

LA SALLE COLLEGE is chartered by the Legislature of the Common-
wealth of Pennsylvania and is empowered by that authority to grant
academic degrees. It is accredited with the Middle States Association
of Colleges and Secondary Schools, the Pennsylvania State Depart-
ment of Public Instruction, the Regents of the University of the State
of New York, Pennsylvania State Board of Law Examiners.

The College is a member of

>   The American Chemical Society
>   The American Council on Education
>   The Association of American Colleges
>   The College Entrance Examination Board
>   The American Association of Collegiate Registrars and Admis-
>   sions Officers
>   The National Catholic Educational Association
>   The Association of College Admissions Counselors
>   The College and University Council of Pennsylvania
>   The Association of Liberal Arts Colleges of Pennsylvania for the
>   Advancement of Teaching
>   The Pennsylvania Catholic Education Association
>   The American Library Association
>   The National Commission on Accrediting
>   The American Catholic Historical Society
>   The Educational Conference of the Brothers of the Christian
>   Schools
>   The Association of University Evening Colleges
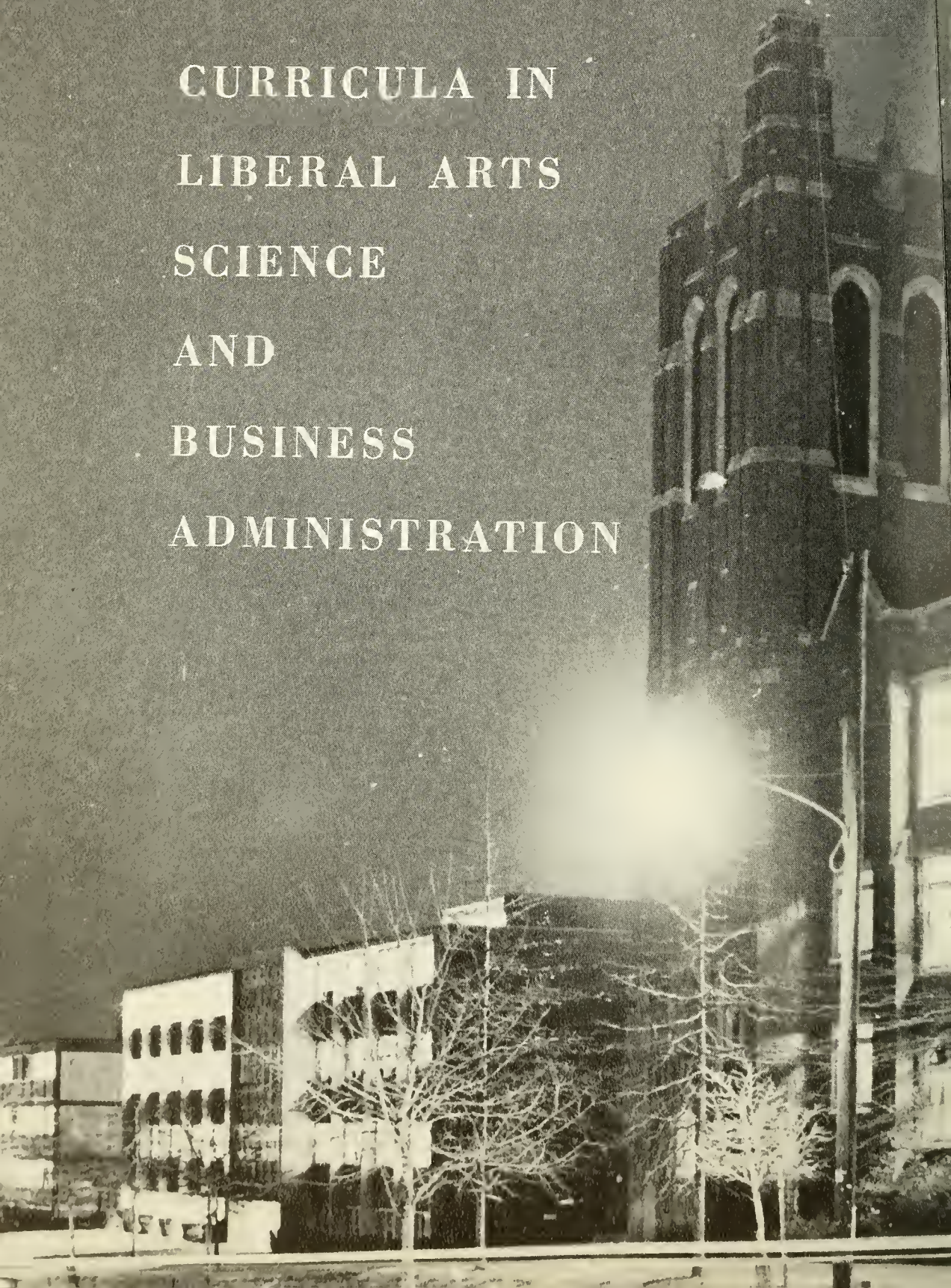
LA SALLE COLLEGE BULLETIN

EVENING DIVISION

For Men and Women

1967-1968 ANNOUNCEMENT

La Salle College

CURRICULA IN

LIBERAL ARTS

SCIENCE

AND

BUSINESS

ADMINISTRATION

A Catholic College
Conducted by
The Brothers of the Christian Schools

CONTENTS

Facilities available to the Evening Division student are centered in these buildings (reading clockwise): College Hall; the Library; McShain Hall, Leonard Hall, and Benilde Hall (pictured to the left of the Library); the Science Center; the College Union; and Wister Hall.

CALENDAR

Batteries of tests for applicants to the Evening Division of La Salle College may be taken on the following evenings on the second floor of Wister Hall.

For Summer or Fall Admission

May	8	Monday	9	Tuesday	11	Thursday
	16	Tuesday	18	Thursday	22	Monday
June	1	Thursday	5	Monday	6	Tuesday
June	20	Tuesday	22	Thursday	26	Monday
July	6	Thursday	11	Tuesday	13	Thursday
	17	Monday	18	Tuesday	19	Wednesday

For Fall Admission

August	1	Tuesday	3	Thursday	7	Monday
	9	Wednesday	10	Thursday	14	Monday
	15	Tuesday	17	Thursday	21	Monday
	22	Tuesday	24	Thursday	28	Monday
	30	Wednesday	31	Thursday		

September 1: Last day for application for Fall Semester

For Spring Admission

November 13	Monday	15	Wednesday	16	Thursday
20	Monday	22	Wednesday	27	Monday
December 4	Monday	6	Wednesday	7	Thursday
11	Monday	13	Wednesday	14	Thursday
January 3	Wednesday	4	Thursday	8	Monday
10	Wednesday	11	Thursday	15	Monday
16	Tuesday	17	Wednesday	18	Thursday

January 19: Last day for application for Spring Semester

1967

JANUARY
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	-	-	-	-
-	-	-	-	-	-	-

FEBRUARY
S	M	T	W	T	F	S
-	-	-	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	-	-	-	-
-	-	-	-	-	-	-

MARCH
S	M	T	W	T	F	S
-	-	-	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	-
-	-	-	-	-	-	-

APRIL
S	M	T	W	T	F	S
-	-	-	-	-	-	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	-	-	-	-	-	-

MAY
S	M	T	W	T	F	S
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	-	-	-
-	-	-	-	-	-	-

JUNE
S	M	T	W	T	F	S
-	-	-	-	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	-
-	-	-	-	-	-	-

JULY
S	M	T	W	T	F	S
-	-	-	-	-	-	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	-	-	-	-	-

AUGUST
S	M	T	W	T	F	S
-	-	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	-	-
-	-	-	-	-	-	-

SEPTEMBER
S	M	T	W	T	F	S
-	-	-	-	-	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
-	-	-	-	-	-	-

OCTOBER
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	-	-	-	-
-	-	-	-	-	-	-

NOVEMBER
S	M	T	W	T	F	S
-	-	-	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	-	-
-	-	-	-	-	-	-

DECEMBER
S	M	T	W	T	F	S
-	-	-	-	-	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	-	-	-	-	-	

1968

JANUARY
S	M	T	W	T	F	S
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	-	-	-
-	-	-	-	-	-	-

FEBRUARY
S	M	T	W	T	F	S
-	-	-	-	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	-	-
-	-	-	-	-	-	-

MARCH
S	M	T	W	T	F	S
-	-	-	-	-	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	-	-	-	-	-	-

APRIL
S	M	T	W	T	F	S
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	-	-	-	-
-	-	-	-	-	-	-

MAY
S	M	T	W	T	F	S
-	-	-	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	-
-	-	-	-	-	-	-

JUNE
S	M	T	W	T	F	S
-	-	-	-	-	-	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	-	-	-	-	-	-

JULY
S	M	T	W	T	F	S
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	-	-	-
-	-	-	-	-	-	-

AUGUST
S	M	T	W	T	F	S
-	-	-	-	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
-	-	-	-	-	-	-

SEPTEMBER
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	-	-	-	-	-
-	-	-	-	-	-	-

OCTOBER
S	M	T	W	T	F	S
-	-	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	-	-
-	-	-	-	-	-	-

NOVEMBER
S	M	T	W	T	F	S
-	-	-	-	-	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
-	-	-	-	-	-	-

DECEMBER
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	-	-	-	-
-	-	-	-	-	-	-

ACADEMIC CALENDAR: 1967-1968

FALL SEMESTER, 1967

September	1	Friday	Final date for accepting applications for admission of new students.
September	6		
September	7		
September	11		Registration . . . . 7 to 9 P.M.
September	12		
September	13	Wednesday	Classes begin.
September	19	Tuesday	Final date for late registration and change of roster.
November	1	Wednesday to	
November	11	Saturday	Mid-semester examinations.
November	22	Wednesday	Thanksgiving holiday begins at 10:30 P.M.
November	27	Monday	Classes resume at 5:30 P.M.
December	23	Saturday	Christmas recess begins at noon. Beginning of reading sessions for those classes in which instructors option to terminate formal semester class meetings before Christmas.
January	2	Tuesday to	
January	11, 1968	Thursday	Classes continued at this time at option of individual instructors.
January	12	Friday	End of fall semester.
January	12	Friday to	
January	20	Saturday	Fall semester examinations.

SPRING SEMESTER, 1968

January	19	Friday	Final date for accepting applications for admission of new students.
January	24		
January	25		
January	29		Registration . . . . 7 to 9 P.M.
January	30		
January	31	Wednesday	Classes begin.
February	6	Tuesday	Final date for late registration and change of roster.
March	13	Wednesday to	
March	21	Thursday	Mid-semester examinations.
April	10	Wednesday	Easter recess begins at 10:30 P.M. Reading session for those classes in which this program is optioned by the instructor.
April	16	Tuesday	Classes resume at 5:30 P.M. at option of individual instructor.
April	22	Monday	Classes resume at 5:30 P.M. for those classes in which instructors optioned a reading session.
May	13	Monday to	
May	16	Thursday	Senior Final examinations.
May	18	Saturday	Spring semester classes end.
May	20	Monday to	
May	27	Monday	Spring semester final examinations.
June	2	Sunday	Commencement day.

Brother Daniel Bernian, F.S.C., Ph.D.
President

Brother Daniel Burke, F.S.C., Ph.D.
Vice president for Academic Affairs

Brother Emery C. Mollenhauer,
F.S.C., Ph.D.
Dean of the Evening Division

GENERAL INFORMATION

HISTORY OF THE COLLEGE

La Salle's history had its modest beginning in the year 1863. It was in that year that the state granted the College a charter and the Christian Brothers brought the new institution into being. Its nucleus was the Academy conducted by the Brothers as an annex to St. Michael's Parochial School. In the years which followed, the College outgrew three locations—the parish site, a site at Broad and Juniper Streets, and the old Bouvier mansion at Broad and Stiles Streets. The College purchased part of Wister Farms in 1929 and began operating at its present site the following year, only to be faced with the dark years of the Great Depression. The war years which followed were even worse in their depletion of the student population of all-male colleges. With the end of World War II, however, La Salle faced a completely different kind of problem. The influx of veterans taking advantage of the G.I. Bill strained facilities to the utmost, but the College met this challenge successfully and began a carefully-planned development program to make ready for the expanding enrollments of the future.

Since 1945, La Salle has experienced the most dramatic period of expansion in its history. Present enrollment in both Day and Evening Divisions is approximately 6000 students, as compared to a 1940 enrollment of about 400. In the last 17 years, 12 new buildings have been added to the campus.

The Evening Division was inaugurated in 1946 in response to the needs of industry throughout the Delaware Valley; within 10 years evening classes were utilizing every available inch of classroom space.

In 1951 the College added the Dixon estate in Elkins Park and established Anselm Hall as a House of Studies for student Brothers. In 1952, a new library was erected, and the following year the first of five new dormitories was opened to residence students. By 1955 the rapid growth of the College made it necessary to reorganize the administrative pattern into separate schools of Arts and Sciences, Business Administration, and the Evening Division.

The latest steps in the physical development of La Salle are the College Union, opened in 1959; the Science Center, 1960; two new Freshman residence halls, 1962; Olney Gardens, a local apartment, purchased and converted to a residence hall in 1964; a new student chapel in 1965; and two new student residence hall opened in Sep-

tember, 1966. On the drafting board at present are a new classroom building and a physical recreation building.

Since February, 1967, women students have been accepted into the previously all male Evening Division.

Educational Philosophy

The general philosophy of La Salle College is implicit in its status as a Catholic institution of higher learning conducted by the Brothers of the Christian Schools. It accepts as its basic purpose that which is fundamental to the whole system of Catholic education, namely, "the development of the supernatural man," who, in the words of Pope Pius XI, "thinks, judges, and acts constantly and consistently in accordance with right reason illumined by the supernatural light of the example and teaching of Christ." At the same time it recognizes that, as an institution of the twentieth century preparing the student for participation in a world of ever-widening horizons and complex problems, it must be a dynamic organization with a flexible program adaptable to the changing needs of society and the individual potentialities of its varied students. Finally, La Salle adheres to the principle that qualified students should have the opportunity to obtain a Catholic higher education at a moderate cost.

General Objectives of La Salle College

In the areas of religious, intellectual, social, and personal development, the College strives to accomplish the following:

To accord the student a higher education based on the theology of the Catholic Church as an integrating and informing discipline in all fields of learning and, for the Catholic student, as an independent area of study.

To provide conditions for student growth in the theological virtues, in worship, and in moral integrity.

To offer the student a liberal education in which he learns to observe reality with precision, to judge opinions and events critically, to think logically, to communicate effectively, and to develop his aesthetic perception.

To acquaint the student with a body of knowledge about God; about man: his nature, behavior, and values; and about the universe.

To give the student specialized knowledge and skill in one field of learning not only as preparation for graduate study or for immediate entry into professional life, but also as a basic instrument for his liberal education.

To prepare the student for informed and responsible service and leadership in his immediate communities and in the state, the world, and the Church.

To help the student develop mature attitudes and behavior.

THE SPECIAL PURPOSE OF THE EVENING DIVISION

The particular purpose of the Evening Division of La Salle College is to afford the opportunity for an education to those who are unable to attend college during the day, but who recognize the value of an organized program of studies as means of increasing their knowledge, broadening their perspective, and developing their abilities for successful living.

The program of the Evening Division has been planned to meet the needs of a student body which, for the greater part, is mature in experience and motivation. Although the objectives of the Evening College are not distinctively different from those of the Day College, they have been modified in some detail to provide for the adult character of the student body. Thus, the Evening Division endeavors to meet the educational needs of those who, necessarily, have varied backgrounds, who are mature in motivation and in determination to attain an academic degree.

The La Salle College Evening Division, therefore, aims to equip its men to achieve greater vocational competence by solidifying their educational experience on the buttresses of accredited college courses oriented toward the Bachelor's degree.

Because all courses are college credit offerings, the curriculum is centered on the concept of college education for adults, rather than a less academically controlled program of "adult education." Through the college curriculum, the Evening Division aims, in addition, to prepare its students for positions of greater responsibility and to help meet the needs of employers for personnel with a college background. The program seeks also to foster independent thinking which will result in individual growth toward better comprehension of personal and social problems, for improved adjustment to the stresses of competitive living, and for more effective contributions to a community in which there is extensive industrial and commercial activity.

EVENING PROGRAM OF THE COLLEGE

ADMISSION TO THE EVENING DIVISION

Applicants who, in the opinion of the Committee on Admissions, are qualified to profit by the educational program of the College are admitted to the Evening Division. In determining the admission of an applicant, consideration shall be given to his past scholastic record, his present scholastic aptitude, his experience and his character recommendations.

All applicants are required to take a series of entrance examinations. The results of these examinations provide the Committee on Admissions with basic information for evaluating verbal and mathematical aptitudes, reading skills, and the extent of achievement in English and Mathematics. The schedule of dates for the administration of the entrance examinations, which appears on page 5 of this bulletin, will be given to each applicant upon the receipt of his application.

Attendance at La Salle College is a privilege and not a right. The College, therefore, reserves the right to refuse admission to any applicant or to require the withdrawal of any student when it deems his presence among the student body inimical to the ideals of the College or to the observance of its regulations.

PERIOD OF ADMISSION

Applicants will be accepted each year for the Summer, Fall and Spring semesters beginning in June, September and February. A prospective student should file an application form and a transcript of his high school record or previous college record in the Evening Division Admissions Office not later than ten days before the first day of registration of the term for which he wishes to enroll. The forms for application and high school transcript may be obtained from the Evening Division Admissions Office, La Salle College, Philadelphia, Pennsylvania 19141.

CLASSIFICATION OF APPLICANTS

Students are admitted to the Evening Division, according to their qualifications, under the following classifications:

1. Candidates for the degree of Bachelor of Arts.

2. Candidates for the degree of Bachelor of Science in Business Administration, Chemistry, or Electronic Physics.
3. Candidates for the Certificate of Proficiency in Business Administration.

ADMISSION REQUIREMENTS

Bachelor of Arts and Bachelor of Science Degrees

To qualify for admission as a candidate for the degree of Bachelor of Arts or Bachelor of Science, the applicant must satisfy the general requirements for admission, and his scholastic record must show the completion of sixteen units of study either in an accredited high school or by certification by a State Department of Education. Of these sixteen units, at least ten should be distributed as follows:

English	4 units
History	1 unit
Mathematics	2 units
Modern Language (see below)	2 units
Natural Science	1 unit

The remaining six units may be distributed as follows:
(1) Applicants for the Liberal Arts program may present six additional units in academic subjects.
(2) Applicants for curricula in Business Administration may present six additional units in academic or commercial subjects. Typing is not acceptable.
(3) Applicants for curricula in Science may present six additional units in academic subjects. The units in Mathematics must include two in Algebra and one-half in Trigonometry.

Modern Language Requirement: Applicants may be accepted without the modern language requirement, but they will be required to take eight semester hours of a foreign language as part of their college curriculum.

Exceptions may be made to the secondary school requirements in those cases in which the applicant is otherwise well qualified, or in which a State Department of Education Equivalent High School Diploma has been obtained.

Certificate of Proficiency

Applicants who desire a terminal program of study which may be completed in approximately one-half the time required for the degree and which is directed more towards the professional objectives of the Evening Division are admitted for the Certificate of Proficiency. The entrance requirements are essentially the same as those for degree candidacy. However, deficiencies in the high school record may be waived, provided that a high school diploma or its equivalent has been earned.

The Certificate of Proficiency will be granted in the curricula of Business Administration.

TRANSFER OF CLASSIFICATION

Certificate students may transfer to the status of degree candidacy without loss of previously earned credit if they have met all requirements for degree candidacy at the time of admission. However, the College reserves the right to accept or reject for degree credit any course taken before the entrance requirements for the degree have been satisfied.

Evening Division students who change major curriculum must complete a minimum of forty-four hours in the curriculum area in which the bachelor's degree is conferred. Thus, an Electronic Physics major who transfers to the business administration curriculum must have completed at least forty-four semester hours in good standing in the business curriculum in order to receive the degree in business administration.

John J. King,
Assistant Director
of Admissions

ADMISSION WITH ADVANCED STANDING

An applicant who has attended another college or university may be admitted with advanced standing credit according to the following conditions:

1. The college or university attended must be an accredited degree granting institution.

2. The previous college record of the applicant must indicate good academic standing. No applicant will be accepted whose transcript reads "Academic Probation," or "Academic" or "Disciplinary Dismissal."

3. Advanced standing credit will be granted only for courses which are applicable to the curriculum which the applicant plans to follow.

4. Advanced standing credit will be allowed only for courses in which certifying grades have been received. No credit will be granted for incomplete courses, or for one term of a two-term course.

5. Advanced standing credit will normally be given only for courses completed within the past ten years.

6. Whenever necessary, the College reserves the right to administer subject examinations to determine the applicants qualifications for placement in advanced courses.

7. The Evening Division of La Salle College reserves the right to refuse admission with advanced standing for whatever reason it may deem proper.

8. Advanced standing is granted for specific semester credit hours, but not for grades received from another institution. Thus, a specific number of semester credit hours may be accepted from another institution, but the academic index of the student is determined only by grades achieved in the La Salle College Evening Division.

David J. Smith
Assistant Dean;
Registrar

ADMISSION PROCEDURE

To be admitted to the Evening Division of La Salle College, the applicant who is entering college for the first time must comply with the following procedure before he will be permitted to register.

1. Secure an Application for Admission form, complete it and return it together with the application fee of $5.00 to the Evening Division Admissions Office, La Salle College, Philadelphia, Pennsylvania 19141. See page 32 for an explanation of the application fee.

2. Obtain a High School Transcript form and send it to the high school from which he has graduated with a request that it be completed and returned to the Evening Division Admissions Office, as directed on the form.

3. Upon the receipt of the application form, the applicant will be notified of the dates and the nature of the entrance testing program, and of any further conditions which he must satisfy before he will be granted admission to the College.

4. The applicant will be notified finally of the decision on his admission.

5. A successful applicant will be notified of the dates of registration.

Procedure for Admission with Advanced Standing

Applicants who have attended another college or university must comply with the following admission procedure:

1. Secure an Application for Admission form, complete it and return it together with the application fee of $5.00 to the Evening Division Admissions Office, La Salle College, Philadelphia, Pennsylvania 19141. See page 32 for an explanation of the application fee.
2. Request the high school and the college or university which the applicant has attended to send transcripts of his records to the Evening Division Admissions Office.
3. Upon the receipt of the application form, the applicant will be notified of the dates and the nature of examinations which he may have to take, or of any further conditions which he must satisfy before admission.
4. The applicant will be notified of the action of the Committee on Admissions.
5. A successful applicant will be notified of the extent of advanced standing credit which he will be granted and of the dates of registration.

REGISTRATION

Students shall register for each term in accordance with the registration schedule as set forth in the official calendar shown on page 7 of this Bulletin. Detailed instructions for registration and for the rostering of courses are supplied at the time of registration.

The rostering of courses shall be done under the direction of the Dean of the Evening Division and his assistants.

Registration after the scheduled time must be approved by the Office of the Dean and shall, if approved, be considered as a late registration subject to a fee. The period for late registration shall close at the end of the first week of class.

Upon the completion of registration, the student is officially enrolled in the courses for which he is rostered, and is financially responsible for the tuition charges. He is admitted to each class by the presentation of the proper Course Card which was issued to him at registration. To be valid, Course Cards must be stamped with the names of the Dean of the Evening Division and the Bursar of the College. It is the responsibility of the student to follow correctly the procedures for registration and admission to class.

ROSTER REQUIREMENTS

Students in the Evening Division who maintain a satisfactory academic index are permitted to schedule a maximum of three courses in any semester. Well over sixty percent of the students, however, follow only two courses each semester, and a number of students option to take only one course. The number of courses which a student is permitted to take is dependent upon his ability, his past academic record, his program of study, and the time at his disposal for study. Beginning the fall semester, 1965, additional checks on academic hours which students may take in any semester include a system of scheduling classes so that greater intervals are guaranteed between each class meeting.

GENERAL ROSTER PLAN

Classes are scheduled for 140 or 180 minutes each week, dependent on whether the course is a three semester credit class or a four semester credit class. Most classes meet twice a week; each session is for seventy or eighty-five minutes, again dependent on whether the course itself is a three or four semester hour course. Some classes meet only once a week on Saturday morning or for a double-period on one evening.

The schedule for classes is as follows:

Three semester hour courses	Four semester hour courses
1st period: 5:45 to 6:55 P.M.	1st period: 5:30 to 6:55 P.M.
2nd period: 7:15 to 8:25 P.M.	2nd period: 7:00 to 8:25 P.M.
3rd period: 8:35 to 9:45 P.M.	3rd period: 8:35 to 10:00 P.M.
Saturday morning: 9:00 to 11:20	Saturday morning: 9:00 to 12:00

The principal exception to this schedule occurs in rostering laboratories for General Physics and for Chemistry. These exceptions, as well as the detailed, complete class schedule for each course offered, are set forth in the mimeographed flyer on class schedules which each student receives.

Evening classes are scheduled Monday through Saturday morning. A typical student roster of two courses might be optioned by following course offerings on Monday and Wednesday or Tuesday and Thursday. In general, double-period course offerings (the week's session at the one meeting of 140 or 180 minutes) are scheduled for Monday and Friday evenings and Saturday mornings.

The academic calendar for the 1967-1968 scholastic year appears on page 7 of this Bulletin. As already noted, specific time listings

for individual course offerings in any one semester may be had by applying to the Evening Division Office for the "Roster of Courses."

CHANGE IN COURSE

The student is responsible for following the sequence of courses for the curriculum of his major field of study. If changes are desired, approval must be obtained from the Office of the Dean.

CREDIT FOR OFF-CAMPUS COURSES

Course work taken at other institutions by regularly enrolled students of the Evening Division may not be offered for credit unless the student has had written permission in advance from the Dean to take such courses. It is the responsibility of the student to request a transcript of credit for off-campus courses for inclusion in his record at La Salle College.

ATTENDANCE POLICY

Students are expected to attend classes regularly. An allowable number of absences is permitted to provide for conditions beyond the control of the student. Cumulative or consecutive absences of more than two weeks in any course may be regarded as excessive. Attendance is counted from the first regular class meeting regardless of the time of registration.

The student is responsible for reporting to his instructor the reason for each absence. If an absence can be foreseen, the report should be made before the absence; otherwise, it should be made immediately thereafter. Students who fail to report reasons for absence cannot expect consideration if the number of absences becomes excessive.

When a student has exceeded the number of allowable absences, the instructor of the course will notify the Office of the Dean. A written notice will be sent to the student and a reply will be required from him within one week. Failure to reply may be regarded as a withdrawal without notice.

A student who, in the judgment of his instructor, has been absent excessively must withdraw from the course.

WITHDRAWAL

After the completion of registration, a student shall be considered to be in attendance unless an official statement of withdrawal is

received from him. Ceasing to attend class or submitting a statement of withdrawal to an Instructor does not constitute an official notice of withdrawal.

Students who find it necessary to withdraw from one or more courses are required to submit a signed statement of withdrawal to the Office of the Dean. The withdrawal statement may be made in one of the following ways: the submission of a letter; the completion of a withdrawal form in the Evening Division Office; or the return of an Absence Letter. Unsupported telephoned statements are not acceptable. Regardless of the manner by which a withdrawal statement is made, it must list the course or courses from which the student is withdrawing, give adequate reasons for the withdrawal, and bear the signature of the student.

The date of filing the statement of withdrawal shall be considered, in all cases, the date of actual withdrawal. Previous statements of reasons for absence or non-attendance shall not be a cause for predating a withdrawal.

If a student withdraws before the beginning of the last five weeks in any course, his record for the course will be marked W (withdrawn). If he withdraws during the last five weeks of any course, his record will be marked F (failure) unless his withdrawal has been caused by unusual circumstances and has the approval of the Dean.

A student who withdraws without submitting an official statement of withdrawal shall forfeit the privilege of reentering the Evening Division.

The financial obligations of a student who withdraws are stated on page 35 under the section "Financial Obligations."

EXAMINATIONS

Examinations are given at any time during the course at the discretion of the instructor, at the mid-term and at the conclusion of the term.

Final examinations are conducted only at the times published in the examination schedule which is issued each term.

No credit will be given for any subject until the final examination has been completed successfully.

Any student who, because of unavoidable absence, is unable to take the final examination as scheduled must file a written request for a special final examination in the Office of the Dean. No special final examination will be administered without the approval of both the

instructor and the Dean. Each special final examination is subject to a fee of $5.00. Special examinations during any semester are individually subject to a fee of $2.00.

GRADES

A permanent record of grade for each course is made only at the end of each term. The final course grade is determined from a consideration of attendance, recitations, examinations during the course and the final examination.

Grades are recorded in alphabetical symbols as follows: A indicates excellent; B indicates superior; C indicates satisfactory work; D indicates a minimum passing grade; F indicates a failure; I indicates an incomplete grade and that certain course assignments, tests, final examination, etc., have not been performed or taken; W indicates that the student withdrew from the course before the beginning of the last five weeks of the term.

A separate grading system is used for English 00, the Fundamentals of English course. At the end of this course, a student receives an "S" (Satisfactory) or a "U" (Unsatisfactory).
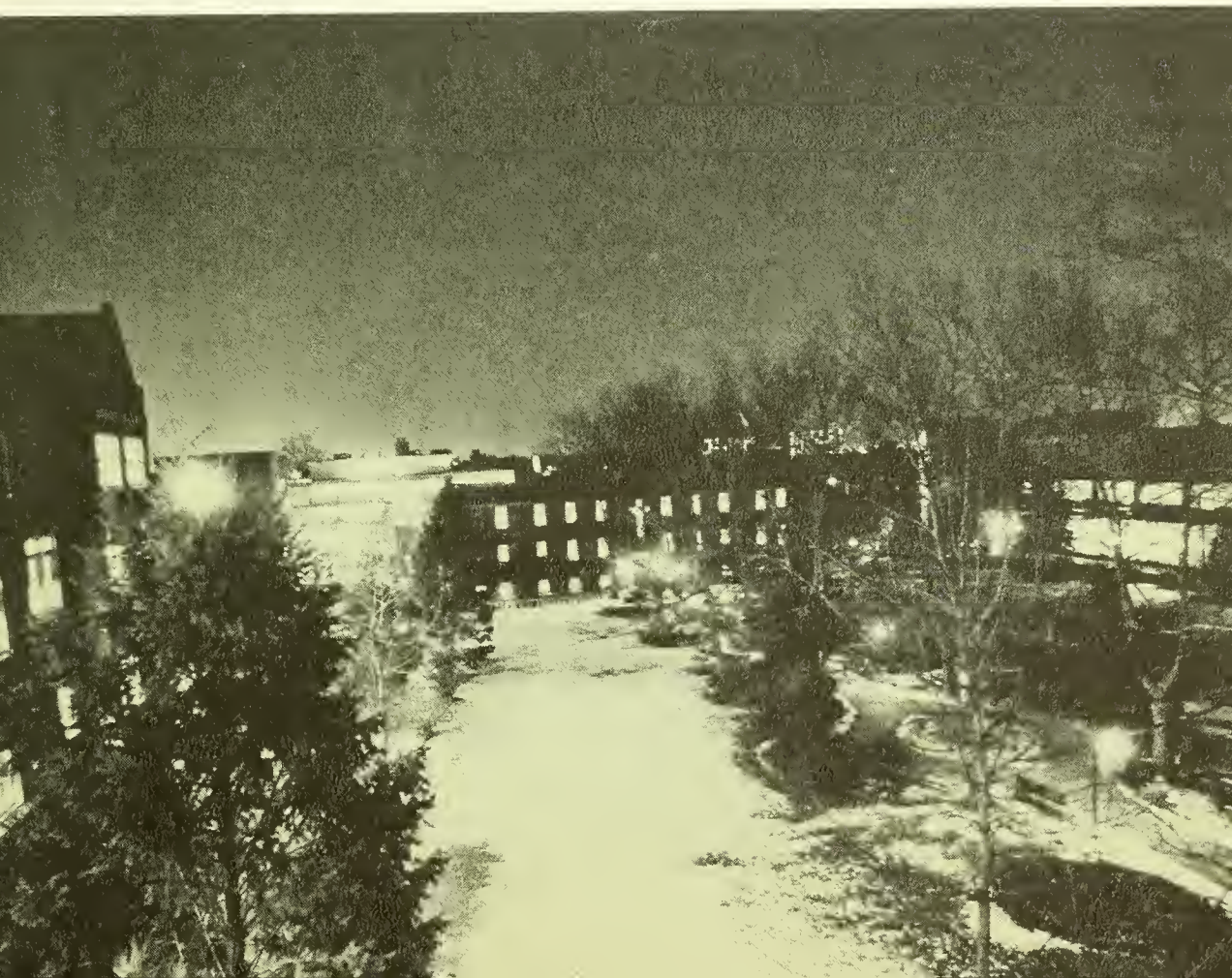
SCHOLASTIC DEFICIENCIES

Conditions or re-examinations are not given. To remove an incomplete grade, the student must complete the required work under the supervision of his instructor. Incomplete grades must be removed not later than three weeks after the date of the final examinations; otherwise, they become failures. It is the responsibility of the student to arrange for the removal of such grades.

A student whose final grade in a required course is a failure must repeat the course.

ACADEMIC STANDING

The academic standing of a student is determined by computing a cumulative scholastic index or average of grades by assigning a grade point value to each letter grade according to the following system: A = 4, B = 3, C = 2, D = 1, F = 0, grade points per credit hour. An "A" grade for a four credit hour course equals 16 grade points; a "B" grade for a four credit hour course equals 12 grade points; and a "D" grade for a four credit hour course equals 4 grade points. No grade points are given for "F" grades. The cumulative scholastic index or average of grades is equal to the sum of all grade points divided by the total number of credit hours attempted, including hours for which an "F" grade was earned.

To be in good academic standing, a student must have a minimum cumulative scholastic index of 2.00. In addition, he must satisfy the scholastic requirements for his major program of study. See page 24. Student records are evaluated for academic standing each year at the end of the spring semester.

DEAN'S HONOR LIST

The Dean's Honor List is published at the beginning of the fall semester each year.

Those students who have earned a cumulative average of 3.40 are eligible for the Dean's List. In addition, they must have complied with all the regulations of the College and have earned at least 33 credit hours.

An Academic Convocation for Dean's List students is held in the fall semester. At this convocation, honorary degrees are conferred, Dean's List students are recognized, and they, as well as their fami-

lies have the opportunity to meet informally with the faculty and the administration.

POLICY ON ACADEMIC PROBATION AND ACADEMIC DISMISSAL

The cumulative average is computed by dividing the total number of credit hours attempted into the total number of grade points earned. The number of credit hours attempted must include the hours of failures which have not been removed by subsequently earning passing grades in these courses.

A student is on academic probation when his cumulative average is less than:

1. 1.00 at the completion of 15 semester credit hours
2. 1.50 at the completion of 33 semester credit hours
3. 1.75 at the completion of 66 semester credit hours
4. 1.90 at the completion of 99 semester credit hours.

A student on academic probation is subject to academic dismissal:

1. When his cumulative average is less than
   A. 1.00 at the completion of 33 semester credit hours
   B. 1.50 at the completion of 66 semester credit hours
   C. 1.75 at the completion of 99 semester credit hours
2. If he remains on academic probation for four successive semesters.

Students on academic probation may take no more than two courses and are recommended to take only one course until the academic probation has been removed.

A course in a major area of subject concentration may be repeated only once.

At the completion of eighty-five semester hours, a student must have an academic index of 2.00 ("C" average) in his major before he will be permitted to accumulate additional semester hours. He may repeat courses for three semesters in order to better his academic index; if, at the end of the three semesters, he has not shown distinct improvement he will be dropped from the Evening Division.

Brother Edward John,
F.S.C., M.A., D.C.S., Bursar

REQUIREMENTS FOR A DEGREE

The candidate for a degree must have completed course work equivalent to a minimum of 123 semester hours with a cumulative index of 2.00.

He must have completed a minimum of thirty-six courses.

He must have obtained a "C" average or cumulative index of 2.00 in his major.

He must have fulfilled all course requirements prescribed for him by the Dean of the Evening Division in his major curriculum.

He must have fulfilled the requirements in Philosophy and Theology.[1]

A minimum of twelve terms of collegiate study or its equivalent is required for a degree. The final three terms or 33 semester credit hours must be completed in the Evening Division of La Salle College.

REQUIREMENTS FOR A CERTIFICATE OF PROFICIENCY

The Certificate of Proficiency is granted in the following curricula only: Accounting, General Business, Industrial Management, Industrial Relations, Marketing.

The candidate for a Certificate of Proficiency must have completed course work equivalent to a minimum of 60 semester credit hours.

He must have obtained a "C" average or cumulative index of 2.00 in all courses which are required for the certificate.

He must have fulfilled all course requirements in his major curriculum prescribed for him by the Dean of the Evening Division.

---

1 Non-Catholic students may substitute courses in the liberal arts area for the requirement in Theology.

HONORS

The bachelor's degree with honors is conferred on a student who has completed his course requirements at the College with an average of all grades not lower than 3.4 and who has not incurred any academic censure.

The candidate for the bachelor's degree who has earned an average of 3.80 or better in all courses is graduated with the designation *Maxima Cum Laude*.

The candidate who has earned an average between 3.60 and 3.79 is graduated with the distinction *Magna Cum Laude*.

The candidate who has earned an average between 3.40 and 3.59 is graduated with the distinction *Cum Laude*.

Honors are computed on the basis of the grades earned in all courses which are accepted in fulfillment of the requirement for the degree.

Academic Affairs Committee: Robert J. Rowland, Joseph P. Mooney, Victor D. Brooks, Brother Emery Mollenhauer, Chairman, Joseph G. Markman, Edward J. Nolan, Joseph E. Crowley, Rabah Shahbender.

STUDENT PERSONNEL SERVICE

OBJECTIVES OF THE STUDENT PERSONNEL PROGRAM

La Salle College, in keeping with the aims and objectives of Christian Education, recognizes that the completeness of higher education demands that the student be provided with the opportunities to develop himself spiritually, morally, intellectually, emotionally, and socially. Therefore, the Student Personnel Program in the Evening Division of La Salle College offers the following:

1. A Counseling Service to assist him in solving the various problems which beset a college student.
2. A program of spiritual activities and spiritual counseling.
3. A student activities program which includes student government, student publications, and extracurricular organizations.
4. A service to help the student find suitable employment according to his needs and the opportunities which are available.
5. A limited program of athletic activities.
6. A Food Service which provides for students who find it more convenient to dine at the campus on class evenings.
7. An Alumni Program to continue the mutual interest which the graduates and the College should have in common.

COUNSELING

The College maintains a Counseling Center staffed by professionally trained counselors who are available to assist the student in matters pertaining to vocational decisions, personal adjustment and educational planning. The Center renders services in the following areas: aptitude testing and interest inventory; individual counseling and occupational information.

The Counseling Center, located in McShain Hall, is open to Evening Division Students from 6:00 till 9:00 P.M. from Monday through Thursday evening and on Saturday morning by appointment. Students wishing to use the services of the Counseling Center should arrange for an appointment in the Counseling Center.

ACADEMIC COUNSELING

Although academic counseling is centered in the Dean's Office and is directed by the Dean and the Assistant Dean, supplementary coun-

seling is offered in particular curricula. Thus, the following instructors are official counselors for their subject area, and interviews may be arranged by appointment with these instructors:

Accounting ....Mr. Joseph Markmann

Chemistry ....Dr. Robert Preston

English ....Mr. Charles Kelly

General Business ....Mr. John Christie and Mr. Melvin Woods

History ....Mr. Dennis McCarthy

Industry ....Mr. Joseph Crowley

Marketing ....Mr. George Swoyer

Mathematics and Physics......Mr. Edward Nolan

Physics ....Mr. Burton Glazer and Mr. Paul Moser

Individual students who have not been called for counseling in their major curriculum may request in the Evening Division Office special appointments for counseling.

RELIGIOUS ACTIVITIES

The Chapel of La Salle College provides a convenient center both for personal meditation and for group worship. Its facilities and the services of the College Chaplain are available to the student body at all times.

Each Monday and Wednesday evening, Holy Mass is offered at 6:25 in the Students' Chapel for Evening Division students.

An Evening Mass of the Holy Spirit is celebrated at the beginning of the Fall Term each year.

A Communion Breakfast for the Evening Division student body is held during the Spring Term.

A solemn Mass in honor of Saint John Baptist de La Salle, the patron saint of the College and of Christian Teachers, is sung each year as part of Founder's Day exercises.

A closed retreat for Evening Division men is held off campus each year during the second semester.

Graduation ceremonies regularly open with the Baccalaureate Mass during which Evening Division students are invited to receive Holy Communion. The Dominican Fathers, College Chaplains, are available for confessions in the College Chapel each Thursday evening before First Friday.

STUDENT ORGANIZATIONS AND ACTIVITIES

Although evening students must devote the major portion of their time to studies, it is hoped that they will participate, to some extent, in student government and in the co-curricular and extracurricular activities which are open to them.

The Student Congress

The Student Congress of the La Salle College Evening Division acts as the official representative of the student body in its relations with the administration and faculty of the College in matters related to extra-curricular activities and student welfare.

The Student Congress consists of the elected representatives of the various course sections, who vote on all matters brought before the Congress.

In general, its purpose is to cultivate, promote and manage all social and other affairs conducted for the benefit of the entire student body; to promote the general welfare of the students of La Salle College; and to act as an advisory body between the students and the administration.

Accounting Association

This is an organization of students who are majoring in account-ing and who are interested in broadening their knowledge of ac-counting practices and their relation with business practices in general. The Association brings the members into frequent contact with out-standing men in the field.

Alpha Sigma Lambda

Alpha Sigma Lambda, a national evening college fraternity for honor students, was inaugurated at La Salle College in December, 1966. The La Salle College Evening Division Chapter, Alpha Delta, is open by invitation to men who have completed over forty semester credits in the La Salle College Evening Division and who have an academic index above 3.2. With the objective of recognizing and encouraging scholarship, this Fraternity meets twice each year and includes distinguished scholars among its guest speakers.

The Cross Keys Fraternity

Cross Keys is a student service fraternity. Membership consists of faculty, students, and alumni who have served the interests of the student body and of the College with distinction. The chief purposes

of the fraternity are (1) to foster an ambition for intellectual attain-ment and a desire to serve La Salle College Evening Division and its students; and (2) to study the problems of students in order that student life might be enriched, and promote and stimulate progress and the best interests of La Salle College.

The Industrial Relations Society

The purpose of the Industrial Relations Society is to foster among its members a better understanding of industrial personnel problems and to sponsor group meetings with leaders of labor and management.

Marketing Association

The two-fold purpose of the club is to foster an interest in the field of marketing and to promote through discussion the application of ethical principles in the field of marketing.

Student Branch of the Institute of Electrical and Electronic Engineers

The Institute of Electrical and Electronic Engineers is a national professional organization. Its aims include the advancement of the theory and practice of radio and allied engineering and of the related arts and sciences. Students registered in the Electronics Physics cur-riculum as degree candidates are eligible for membership in the Student Branch of IEEE.

Society for the Advancement of Management

This is a student chapter of a national society of professional men interested in management principles. It aims to enhance the application of scientific management principles in industry and to foster the de-velopment of future managerial talent.

STUDENT PUBLICATIONS

La Salle Collegian

The *Collegian* is the weekly student newspaper. It serves as a vehicle for disseminating views and news of interest to the entire student body. Two pages of each issue are devoted to the activities of the Evening Division Students.

The Explorer

The *Explorer* is the yearbook published for the members of each graduating class. The book serves as a record of college life and activities.

THE PLACEMENT BUREAU

The Placement Bureau provides an information service for students seeking placement with industrial and business concerns. The office, located in the College Union Building, Room 205, is open from 9 A.M. to 5 P.M., Monday through Friday, and from 5 until 7:30 P.M. on Tuesday and Thursday evenings. In cooperation with the Counseling Center, the Bureau's staff advises students on employment opportunities.

INTERCOLLEGIATE AND INTRAMURAL ATHLETICS

Although students of the Evening Division are not permitted to compete in the various intercollegiate sports, they are encouraged to support these activities by attendance at contests. They are accorded all the privileges of admission granted the students of the Day Session.

Within the limitations of available time, the students of the Evening Division may compete in intramural athletics.

THE COLLEGE CAFETERIA

A student cafeteria is operated in the College Union Building for the convenience of the students of the Evening Division. Students will be served from 5 to 7 o'clock on Monday through Friday evenings.

THE CAMPUS STORE

The College maintains a Campus Store where books, supplies and other items of special interest to college students may be purchased. The Store, located in the College Union Building, is open from 6:00 to 8:45 o'clock on Monday through Friday evenings, and on Saturday morning until 9:30 A.M.

THE LIBRARY

The new library building, located at Olney Avenue at 19th Street, houses a collection of approximately 140,000 books and has files of about 650 periodicals. About 4,900 new volumes are added each year to keep the collection up-to-date and adapted to the needs of the student.

An open stack system encourages browsing, and a liberal renewal policy applies to the usual two week loan to encourage maximum use of the books. The library is open more than 70 hours a week, and competent readers' advisers enable students through personal guidance to become proficient in gathering information from indexes, bibliographies, loose leaf service and other bibliographical tools.

When classes are in session the College Library is open Monday through Thursday evening until 11:00 P.M., Friday evening until 9:00 P.M., and on Saturday from 10:00 A.M. until 4:00 P.M.

THE ALUMNI ASSOCIATION

The Alumni Association seeks to promote the welfare of La Salle College and to encourage good fellowship among alumni. To achieve these ends, the Association works principally through the College Alumni Office and class organization.

The Alumni Association is controlled and directed by the alumni in cooperation with the College administration. The governing board is called the Alumni Board of Directors. It consists of representatives from each graduating class, and a Director of the Association appointed by the College.

Alumni are encouraged to take an active part in promoting the attendance of worthy and talented students; to take an intelligent interest in the academic affairs of the College; to support the College financially to the best of their ability; and to foster the growth of the College. Alumni are also encouraged to assist the Placement Bureau by calling to its attention job opportunities for La Salle men.

TUITION FEES AND OTHER CHARGES

La Salle College reserves the right to amend or add to the charges listed below at any time and to make such changes applicable to students presently enrolled as well as to new students.

APPLICATION FEE

An application fee of $5.00 is charged and due at the time of filing the application for admission. This fee covers the cost of administering the entrance examinations or the evaluation of advanced standing credit. No refund will be made on this fee, regardless of the decision on admission.

TUITION

The tuition charge is based upon the number of semester credit hours taken in any term. The charge is $27.00 per semester credit hour.

The total tuition per term is due and payable at the time of registration.

INCIDENTAL FEES

Science Laboratory Fee

A science laboratory fee of $5.00 is charged for each course in chemistry and physics involving laboratory instruction. This fee is used to defray the cost of laboratory supplies such as chemicals, glassware, and other laboratory equipment.

Graduation Fee

A graduation fee of $35.00 is payable before graduation by each candidate for a degree. This fee is to cover the cost of the diploma, the use of cap and gown, the Senior yearbook, The *Explorer,* and all other expenses incidental to commencement exercises.

A graduation fee of $20.00 is payable by each candidate for a Certificate of Proficiency.

PENALTY FEES

Change of Course Fee

After registration has been completed, a penalty fee of $5.00 is charged for each course change. All course revisions must be made within a week after a semester begins.

Late Registration Fee

Students are required to complete their course registration within the period set forth in the College Calendar. Late registration is permitted only with the permission of the Dean of the School and upon the payment of a fee of $5.00.

Late Examination Fee

Students who are absent for examinations during a semester and who then have the examination(s) administered through the Dean's Office will be required to pay a $2.00 late examination fee.

Special Final Examination Fee

Students are expected to take their final examinations during the regular examination period. If permission is granted for a special final examination, the payment of a fee of $5.00 for each examination is required.

ESTIMATED AVERAGE CHARGES

The charge for a two course six semester hour program of studies per semester is $162.00; for a two course seven semester hour program of studies per semester, $189.00; two courses, eight hours, $216.00. This charge does not include the cost of books and supplies. These items average about $20.00 per semester.

FINANCIAL ARRANGEMENTS

Payment of tuition is part of the registration procedure. Approval for admission into class will not be granted until all financial matters have been settled.

To expedite registration, payment by check, or money order, is preferred. Where possible, the amount of cash, check, or money order, should be prepared in the exact amount of the tuition charge.

In lieu of payment by cash, check, or money order, tuition may be paid through the Bank Loan Plan or the National Defense Student Loan Program (NDEA), both of which are described on this page.

When the Bank Loan Plan or the NDEA Grant are used, application must be obtained in advance of registration. The completed NDEA application must be presented for approval before the time of registration.

Where tuition is paid in a combination of cash and Bank Loan, both the cash and Bank Loan Application must be presented at the time of registration.

Students receiving financial assistance from their employers are required to meet their financial obligations to the College in the same manner as all other students.

Students receiving Veterans Educational benefits are responsible for the entire amount of tuition at the time of registration.

La Salle College Bank Loan Plan

A Bank Loan Plan is provided by the College for those students who prefer to pay their tuition charges on a monthly basis. These students are required to enter into a contract whereby they agree to pay the full amount of their tuition in five equal installments at the end of each month of the college term. A $6.00 service charge is included in the prorated repayment.

Complete information regarding the Bank Loan Plan may be obtained at the Bursar's Office of the College. No other plan for paying tuition on a deferred basis will be acceptable.

Students who have not paid their tuition at the time of registration, or who have not presented a Bank Loan Application in lieu thereof, will not be included on the class roll until such payment has been accomplished.

National Defense Student Loan Program

La Salle College Evening Division participates with the United States Government in providing a limited fund for the purpose of making student loans under the provisions of the National Defense Education Act.

To be eligible for the NDEA Loan, an Evening Division student must:

    1) Have completed at least six semester hours as a regularly matriculated degree candidate in the Evening Division;

2) Be in good standing academically in the Evening Division;
3) Pursue a minimum of eight semester hours of study during the semester for which the loan is granted.

The student may borrow up to five hundred dollars a year for tuition only. The repayment period begins 9 months after the student completes his course work and extends over ten years. Interest at 3% per year begins to accrue at the beginning of the repayment period. During periods of service in the Armed Forces or the Peace Corps (up to three years), no interest will accrue and no repayment is required. The borrower's obligation to repay his loan is to be cancelled in the event of his death or permanent and total disability. If a borrower becomes a full-time teacher in a nonprofit school or college, a maximum of 50% of the unpaid balance (plus interest) may be cancelled at the rate of 10% for each year of teaching.

Information and application forms may be obtained from Brother Martin Stark, F.S.C., Financial Aid Officer, College Hall 220.

Financial Obligations

At the time of registration, each term, the student contracts for the full amount of his tuition regardless of the arrangement for payment. If a student who elects to pay his tuition through the College Bank Loan Plan withdraws from the College, or from one or more courses before the end of the term, he is liable for the full amount of the tuition, subject to the provisions of the "Refund or Remission of Tuition Policy."

REFUND OR REMISSION OF TUITION POLICY

For reasons which the College shall consider valid and within the time limits stated below, a student who withdraws before the end of the term may receive a refund or a remission of part of the unpaid balance of his tuition. Application and penalty fees are not refundable.

The date of withdrawal as shown on the official withdrawal notice, not the last date of attendance as claimed by the student, will serve as the basis for computing any refund or remission granted the student.

When a student who has subscribed to the Bank Loan Plan is granted a tuition adjustment under the "Refund or Remission of Tuition Policy," the College will refund the unearned tuition directly to the Bank. The Bank, in turn, will credit the student's account and notify him accordingly. With the exception of the finance charges on

the amount of the loan actually used, the student will not be required to pay the Bank more than he would be required to pay the College.

Refund or Remission Schedule

Time of Withdrawal	Refund or Remission
During the first week	90
During the second week	80
During the third week	70
During the fourth week	60
During the fifth week	50
During the sixth week	40
During the seventh week	30
During the eighth week	20
After the eighth week	None

Financial Delinquency

A student who is financially delinquent or against whom the College holds a record of indebtedness shall forfeit the privilege of attending class, and the College shall have the right to withhold report of grades, transcript of record, and diploma of graduation until such indebtedness is paid. A student who is financially delinquent at the close of a term will not be permitted to register for a succeeding term unless his account is settled.

PROGRAMS OF STUDY

The Programs of Study in the Evening Division are outlined in the following section according to the general areas of Liberal Arts, Business Administration, and Science and the major curricula under each of these areas. The required courses for each curriculum are listed by title in the curricular outline for each program of study. These courses are considered basic for the purpose of the program.

Candidates for the Bachelor of Arts or Bachelor of Science degree or for the Certificate of Proficiency are required to take the courses in the sequence as outlined in the various curricula. Each student will be given a schedule of courses at the time of registration. Students are encouraged to consult with the Dean of the Evening Division or his assistants for aid in the choice of a major field, elective courses, or any academic problem which may arise.

DEGREE PROGRAMS

The Bachelor of Arts and Bachelor of Science curricula are intended for those students who are properly qualified for admission to a degree program and who desire a course of study fulfilling the requirements for a degree. Programs of study are available in the following fields:

Bachelor of Arts Curricula

Economics	History
English	History-Education
English-Education	Mathematics
Pre-Law	

Bachelor of Science Curricula

Science:	Chemistry	Electronic Physics
Business:	Accounting	General Business
	Industrial Management	Industrial Relations
	Marketing	

Minimum requirements for the bachelor's degree are the completion of thirty-six courses and 123 semester credits with a 2.00 academic index.

Certificate of Proficiency Curricula

The Certificate of Proficiency programs are intended for students who wish to spend not more than three or four years in the Evening Division and who desire a course of study that will assist them in their particular field of interest.

The course requirements for the certificate programs are marked with an asterisk in the curricular outlines which follow in the next section of this Bulletin.

Programs of study leading to the Certificate of Proficiency are available in the Business Administration curricula.

COURSES FOR CERTIFICATION OF TEACHERS

The College Provisional Certificate for Teaching is issued to an applicant who has completed an approved education curriculum, and who has been granted a baccalaureate degree in an accredited college or university. It is valid for three years of teaching in any public school of the Commonwealth in the subjects or fields written on it.

The certificate is based on the completion of eighteen semester hours of approved courses distributed as follows:

Introduction to Education..3 semester hours
Audio-Visual Aids..3 semester hours
Education Psychology ....3 semester hours
   (General Psychology is a prerequisite)
General Methods of Teaching..3 semester hours
Observation and Practice Teaching..............:.................6 semester hours

STRUCTURE OF THE BACHELOR OF ARTS PROGRAM

Economics, English, English-Education, History, History-Education, Mathematics, Pre-Law

CORE CURRICULUM: (Required of all Bachelor of Arts candidates)

General Requirements: 66 semester hours distributed as follows:
English Composition (English 11 and 12) .... 6 semester hours
Public Speaking (English 23) .... 2 semester hours
Approach to Literature (English 21 and 22) .... 6 semester hours
History of Western Civilization (History 13 and 14) ...... 6 semester hours
Philosophy (Philosophy 11, 12, 13) .... 9 semester hours
‡Theology 1, 2, 3 .... 9 semester hours
Social Sciences (Option) .... 8 semester hours
Psychology .... 4 semester hours
Language ....16 semester hours
                                     66 semester hours

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

BACHELOR OF ARTS PROGRAM

ECONOMICS
First Year

		Credits
Eng. 11	College Composition—Part 1	3
His. 13	History of Western Civilization—Part 1	3
Psy. 3	General Psychology	4
Eng. 12	College Composition—Part 2	3
His. 14	History of Western Civilization—Part 2	3
Phl. 11	Introduction to Philosophy and Logic	3

Second Year

Eng. 21	Approach to Literature—Part 1	3
Mth. 15	Survey of Mathematics—Part 1	4
Eco. 1	Principles of Economics—Part 1	3
Eng. 22	Approach to Literature—Part 2	3
Mth. 16	Survey of Mathematics—Part 2	4
Eco. 2	Principles of Economics—Part 2	3

Third Year

Thl.‡ 1	Theology of the Bible	3
Sta. 15	Business Statistics—Part 1	4
Eco. 8	Math. Economics	3
Eng. 23	Oral Composition	2
Sta. 21	Business Statistics—Part 2	4
Eco. 6	Labor Problems in America	4

Fourth Year

P.S. 1	The Science of Government or Geopolitics	4
or P.S. 2	General Elective	3
Eco. 10	Microeconomic Theory	4
Thl.‡ 2	Theology of the Church	3
Eco. 11	Macroeconomic Theory	4
	General Elective	4

Fifth Year

Phl. 12	Contemporary Philosophies of Man	3
	*Language	4
Eco. 9	Monetary Theory	3
Thl.‡ 3	Theology of the Sacraments	3
	*Language	4
Eco. 3	American Economic History	4

Sixth Year

Phl. 13	Principles and Problems of Ethics	3
	*Language	4
Eco. 4	History of Economic Thought	3
	General Elective	4
	*Language	4
Eco. 5	Contemporary Economic Systems	3

---

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.
* By permission of the Dean or Assistant Dean, Mathematics or Science courses may be substituted for this requirement.

ENGLISH

First Year

		Credits
Eng. 11	College Compostion—Part 1	3
His. 13	Western Civilization—Part 1	3
Psy. 3	General Psychology	4
Eng. 12	College Composition—Part 2	3
His. 14	Western Civilization—Part 2	3
Phl. 11	Introduction to Philosophy and Logic	3

Second Year

Eng. 21	Approach to Literature—Part 1	3
	General Elective	3
	*Language	4
Eng. 22	Approach to Literature—Part 2	3
Thl.‡ 1	Theology of the Bible	3
	*Language	4

Third Year

Eng. 34	Survey of English Literature—Part 1	4
Phl. 12	Contemporary Philosophies of Man	3
	*Language	4
Eng. 35	Survey of English Literature—Part 2	4
Thl.‡ 2	Theology of the Church	3
	*Language	4

Fourth Year

	General Elective	3
Phl. 13	Principles and Problems of Ethics	3
Eng. 36	Survey of American Literature	4
Eng. 38	British and American Novel to 1900	4
Eng. 25	Shakespeare	4
Thl.‡ 3	Theology of the Sacraments	3

Fifth Year

Eng. 23	Oral Composition	2
Eng. 39	Modern British and American Novel	4
Eng. 41	Readings in Drama	4
	Elective in Advanced Literature	4
	Elective in Period of Literature	4
	Social Science Option	4

Sixth Year

	Elective in Literature	3
Eng. 43	Modern British and American Poetry	4
	Elective in Period of Literature	4
	Elective in Literature	3
	General Elective	4
	General Elective	3

‡ Non-Catholics may substitute electives in Liberal arts program for Theology courses.

* By permission of the Dean or Assistant Dean, Mathematics or Science courses may be substituted for this requirement.

ENGLISH-EDUCATION

First Year

		Credits
Eng. 11	College Composition—Part 1	3
His. 13	Western Civilization—Part 1	3
Psy. 3	General Psychology	4
Eng. 12	College Composition—Part 2	3
His. 14	Western Civilization—Part 2	3
Phl. 11	Introduction to Philosophy and Logic	3

Second Year

Eng. 21	Approach to Literature—Part 1	3
Thl.‡ 1	Theology of the Bible	3
	*Language	4
Eng. 22	Approach to Literature—Part 2	3
Thl.‡ 2	Theology of the Church	3
	*Language	4

Third Year

Eng. 34	Survey of English Literature—Part 1	4
Phl. 12	Contemporary Philosophies of Man	3
	*Language	4
Eng. 35	Survey of English Literature—Part 2	4
Edu. 11	Introduction to Education	3
	*Language	4

Fourth Year

Edu. 12	Educational Psychology	3
Phl. 13	Principles and Problems of Ethics	3
Eng. 36	Survey of American Literature	4
Eng. 38	British and American Novel to 1900	4
Eng. 25	Shakespeare	4
Thl.‡ 3	Theology of the Sacraments	3

Fifth Year

Eng. 23	Oral Composition	2
Eng. 39	Modern British and American Novel	4
Eng. 41	Readings in Drama	4
	Elective in Advanced Literature	4
	Elective in Period of Literature	4
His. 10	History of the United States and Pennsylvania	3

Sixth Year

Edu. 21	Audio-Visual Aids	3
Eng. 43	Modern British and American Poetry	4
	Elective in Period of Literature	4
	Elective in Literature	3
Edu. 14	Special Methods	3
Edu. 19-20	Practicum in Student Teaching	6

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.
* By permission of the Dean or Assistant Dean, Mathematics or Science courses may be substituted for this requirement.

HISTORY

First Year

		Credits
Eng. 11	College Composition—Part 1	3
His. 13	History of Western Civilization—Part 1	3
Psy. 3	General Psychology	4
Eng. 12	College Composition—Part 2	3
His. 14	History of Western Civilization—Part 2	3
Phl. 11	Introduction to Philosophy and Logic	3

Second Year

Eng. 21	Approach to Literature—Part 1	3
His. 15	History of the United States and Pennsylvania—Part 1	4
	*Language	4
Eng. 22	Approach to Literature—Part 2	3
His. 16	History of the United States and Pennsylvania—Part 2	4
	*Language	4

Third Year

	Elective in History	4
Thl.‡ 1	Theology of the Bible	3
	*Language	4
	Elective in History	4
Thl.‡ 2	Theology of the Church	3
	*Language	4

Fourth Year

	Elective in History	4
P.S. 1	The Science of Government	4
Eco. 1	Principles of Economics—Part 1	3
	Elective in Liberal Arts	4
P.S. 3	Geopolitics	4
Eco. 2	Principles of Economics—Part 2	3

Fifth Year

Phl. 12	Contemporary Philosophies of Man	3
His. 48	Methodology and Directed Reading—Part 1	4
	Elective in Liberal Arts	3
His. 49	Methodology and Directed Reading—Part 2	4
Eng. 23	Oral Composition	2
	Elective in Liberal Arts	4

Sixth Year

Thl.‡ 3	Theology of the Sacraments	3
	Elective in History	4
Phl. 13	Principles and Problems of Ethics	3
	Elective in Liberal Arts	3
	Elective in Liberal Arts	3
	Elective in Liberal Arts	3

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

* By permission of the Dean or Assistant Dean, Mathematics or Science courses may be substituted for this requirement.

HISTORY-EDUCATION

First Year

		Credits
Eng. 11	College Composition—Part 1	3
His. 13	History of Western Civilization—Part 1	3
Psy. 3	General Psychology	4
Eng. 12	College Composition—Part 2	3
His. 14	History of Western Civilization—Part 2	3
Phl. 11	Introduction to Philosophy and Logic	3

Second Year

Eng. 21	Approach to Literature—Part 1	3
His. 15	History of the United States and Pennsylvania—Part 1	4
	*Language	4
Eng. 22	Approach to Literature—Part 2	3
His. 16	History of the United States and Pennsylvania—Part 2	4
	History Elective	4
	*Language	4

Third Year

	Elective in History	4
Thl.‡ 1	Theology of the Bible	3
	*Language	4
	Elective in History	4
Thl.‡ 2	Theology of the Church	3
	*Language	4

Fourth Year

Edu. 11	Introduction to Education	3
P.S. 1	The Science of Government	4
Eco. 1	Principles of Economics—Part 1	3
Soc. 11	Introductory Sociology	4
P.S. 3	Geopolitics	4
Eco. 2	Principles of Economics—Part 2	3

Fifth Year

Phl. 12	Contemporary Philosophies of Man	3
His. 48	Methodology and Directed Reading—Part 1	4
Edu. 12	Educational Psychology	3
His. 49	Methodology and Directed Reading—Part 2	4
Edu. 21	Audio-Visual Aids	3
Eng. 23	Oral Composition	2

Sixth Year

Thl.‡ 3	Theology of the Sacraments	3
Edu. 14	Special Methods	3
	Elective in Sociology	3
Phl. 13	Principles and Problems of Ethics	3
Edu. 19-20	Practicum in Student Teaching	6
	History Elective	4

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

* By permission of the Dean or Assistant Dean, Mathematics or Science courses may be substituted for this requirement.

MATHEMATICS

First Year

			Credits
Eng. 11	College Composition—Part 1		3
His. 13	Western Civilization—Part 1		3
Mth. 11	Algebra and Trigonometry—Part 1		4
Eng. 12	College Composition—Part 2		3
His. 14	Western Civilization—Part 2		3
Mth. 12	Algebra and Trigonometry—Part 2		4

Second Year

Phy. 11	*General Physics—Part 1	4
Phl. 11	Introduction to Philosophy and Logic	3
Mth. 23	Analytic Geometry and Calculus—Part 1	4
Thl.‡ 1	Theology of the Bible	3
Phy. 12	*General Physics—Part 2	4
Mth. 24	Analytic Geometry and Calculus—Part 2	4

Third Year

Eng. 23	Oral Composition	2
Phy. 13	General Physics—Part 3	4
Mth. 25	Analytic Geometry and Calculus—Part 3	4
Thl.‡ 2	Theology of the Church	3
Phl. 12	Contemporary Philosophies of Man	3
Mth. 14	Modern Algebra	4

Fourth Year

Eng. 21	Approach to Literature—Part 1	3
Chm. 11	*Basic Principles of Chemistry—Part 1	4
Mth. 36	Ordinary Differential Equations	4
Eng. 22	Approach to Literature—Part 2	3
Chm. 12	*Basic Principles of Chemistry—Part 2	4
Mth. 43	Numerical Analysis	4

Fifth Year

Mth. 46	Probability and Statistics	4
Mth. 47	Topics in Applied Mathematics—Part 1	4
Phl. 13	Principles and Problems of Ethics	3
Mth. 48	Topics in Applied Mathematics—Part 2	4
Mth. 44	Projective Geometry	4
Thl.‡ 3	Theology of the Sacraments	3

Sixth Year

Mth. 49	Topics in Applied Mathematics—Part 3	4
	General Elective	3
Psy. 3	General Psychology	4
Mth. 60	Linear Programming	4
	General Elective	3
	General Elective	3

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.
* Fulfills Liberal Arts Language or Science requirements.

PRE-LAW

First Year

			Credits
Eng.	11	College Composition—Part 1	3
His.	13	Western Civilization—Part 1	3
Psy.	3	General Psychology	4
Eng.	12	College Composition—Part 2	3
His.	14	Western Civilization—Part 2	3
Phl.	11	Introduction to Philosophy and Logic	3

Second Year

Mth.	15	Survey of Mathematics—Part 1	4
Lng.	1	Elementary Language	4
Eco.	1	Principles of Economics—Part 1	3
Mth.	16	Survey of Mathematics—Part 2	4
Lng.	2	Intermediate Language	4
Eco.	2	Principles of Economics—Part 2	3

Third Year

		Elective in Science or Modern Language	4
Eng.	21	Approach to Literature—Part 1	3
Thl.‡	1	Theology of the Bible	3
		Elective in Science or Modern Language	4
Eng.	22	Approach to Literature—Part 2	3
P.S.	1	The Science of Government	4

Fourth Year

Phl.	12	Contemporary Philosophies of Man	3
P.S.	3	Geopolitics	4
Eco.	4	History of Economic Thought	4
Eco.	5	Contemporary Economic Systems	4
Thl.‡	2	Theology of the Church	3
Soc.	11	Introductory Sociology	4

Fifth Year

Phl.	13	Principles and Problems of Ethics	3
		General Elective	3
His.	25	Constitutional History of the United States	4
Thl.‡	3	Theology of the Sacraments	3
Eng.	23	Oral Composition	2
		Elective in English or American Literature	4

Sixth Year

		General Elective	3
Acc.	1	Principles of Accounting—Part 1	4
		Elective in English or American Literature	4
Soc.	12	Industrial Sociology	3
Acc.	2	Principles of Accounting—Part 2	4
		General Elective	4

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

BACHELOR OF SCIENCE PROGRAMS

ACCOUNTING

First Year

		Credits
*Eng. 11	College Composition—Part 1	3
*Acc. 1	Principles of Accounting—Part 1	4
*B.L. 1	Law of Contracts	4
*Eng. 12	College Composition—Part 2	3
*Acc. 2	Principles of Accounting—Part 2	4
*Ind. 1	Introduction to Management	4

Second Year

*Acc. 14	Intermediate Accounting Theory—Part 1	4
Eco. 1	Principles of Economics—Part 1	3
Mth. 15	Survey of Mathematics—Part 1	4
*Acc. 24	Intermediate Accounting Theory—Part 2	4
Eco. 2	Principles of Economics—Part 2	3
Mth. 16	Survey of Mathematics—Part 2	4

Third Year

*Thl.‡ 1	Theology of the Bible	3
*Acc. 3	Elementary Cost Accounting	4
Fin. 1	Money and Banking	4
*Eng. 23	Oral Composition	2
*Acc. 5	Auditing	4
Phl. 11	Introduction to Philosophy and Logic	3

Fourth Year

Thl.‡ 2	Theology of the Church	3
*Acc. 8	Individual Federal Income Taxes	4
Eng. 21	Approach to Literature—Part 1	3
Phl. 12	Contemporary Philosophies of Man	3
Acc. 7	Advanced Accounting Theory	4
	Major or Related Elective	4

Fifth Year

Eng. 22	Approach to Literature—Part 2	3
Lan.§ 1	Elementary Modern Language or General Elective	4
Thl.‡ 3	Theology of the Sacraments	3
Lan.§ 2	Intermediate Modern Language or General Elective	4
Phl. 13	Principles and Problems of Ethics	3
	General Elective	3

Sixth Year

Soc. 12	Industrial Sociology	3
His. 13	Western Civilization—Part 1	3
	General Elective	3
His. 14	Western Civilization—Part 2	3
	General Elective	4
	General Elective	3

* Courses required for the Certificate of Proficiency in Accounting.

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

§ Modern Language must be taken if two units of the same language were not taken in high school.

GENERAL BUSINESS

First Year

Credits

			Credits
*Eng.	11	College Composition—Part 1	3
*Acc.	1	Principles of Accounting—Part 1	4
*B.L.	1	Law of Contracts	4
*Eng.	12	College Composition—Part 2	3
*Acc.	2	Principles of Accounting—Part 2	4
*Ind.	1	Introduction to Management	4

Second Year

Mth.	15	Survey of Mathematics—Part 1	4
Ins.	1	Principles of Insurance	4
*Eco.	1	Principles of Economics—Part 1	3
Mth.	16	Survey of Mathematics—Part 2	4
Mrk.	1	Principles of Marketing	4
*Eco.	2	Principles of Economics—Part 2	3

Third Year

*Thl.‡	1	Theology of the Bible	3
*Fin.	1	Money and Banking	4
*Eng.	23	Oral Composition	2
His.	13	Western Civilization—Part 1	3
Phl.	11	Introduction to Philosophy and Logic	3
		Related Elective	4

Fourth Year

Thl.‡	2	Theology of the Church	3
His.	14	Western Civilization—Part 2	3
Lan.§	1	Elementary Modern Language or General Elective	4
Phl.	12	Contemporary Philosophies of Man	3
Lan.§	2	Intermediate Modern Language or General Elective	4
		General Elective	3

Fifth Year

Eng.	21	Approach to Literature—Part 1	3
Thl.‡	3	Theology of the Sacraments	3
Phl.	13	Principles and Problems of Ethics	3
Sta.	15	Business Statistics—Part 1	4
		General Elective	3
		Related Elective	4

Sixth Year

Eng.	22	Approach to Literature—Part 2	3
Sta.	21	Business Statistics—Part 2	4
Soc.	12	Industrial Sociology	3
		General Elective	3
		Related Elective	4
		Related Elective	4

---

* Courses required for the Certificate of Proficiency in General Business.

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

§ Modern Language must be taken if two units of the same language were not taken in high school.

INDUSTRIAL MANAGEMENT

First Year

Credits

*Eng. 11	College Composition—Part 1	3
*B.L. 1	Law of Contracts	4
*Acc. 1	Principles of Accounting—Part 1	4
*Eng. 12	College Composition—Part 2	3
*Ind. 1	Introduction to Management	4
*Acc. 2	Principles of Accounting—Part 2	4

Second Year

Mth. 15	Survey of Mathematics—Part 1	4
Eco. 1	Principles of Economics—Part 1	3
Eng. 21	Approach to Literature—Part 1	3
Mth. 16	Survey of Mathematics—Part 2	4
Eco. 2	Principles of Economics—Part 2	3
Eng. 22	Approach to Literature—Part 2	3

Third Year

*Thl.‡ 1	The Theology of the Bible	3
*Sta. 15	Business Statistics—Part 1	4
Ind. 2	Industrial Management	4
*Eng. 23	Oral Composition	2
*Sta. 21	Business Statistics—Part 2	4
*Ind. 4	Methods Analysis and Time Study	4

Fourth Year

Thl.‡ 2	Theology of the Church	3
*Ind. 7	Production Control	4
*Phl. 11	Introduction to Philosophy and Logic	3
Phl. 12	Contemporary Philosophies of Man	3
*Ind. 20	Business Policy and Simulation	4
	General Elective	3

Fifth Year

Lan.§ 1	Elementary Modern Language or General Elective	4
Phl. 13	Principles and Problems of Ethics	3
	Elective in Industry Program	4
Lan.§ 2	Intermediate Modern Language or General Elective	4
Thl.‡ 3	Theology of the Sacraments	3
	Major Elective	4

Sixth Year

His. 13	Western Civilization—Part 1	3
Soc. 12	Industrial Sociology	3
	Major Elective	4
His. 14	Western Civilization—Part 2	3
	General Elective	3
	Major Elective	4

* Courses required for the Certificate of Proficiency in Industrial Management.
‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.
§ Modern Language must be taken if two units of the same language were not taken in high school.

INDUSTRIAL RELATIONS

First Year

			Credits
*Eng.	11	College Composition—Part 1	3
*B.L.	1	Law of Contracts	4
*Acc.	1	Principles of Accounting—Part 1	4
*Eng.	12	College Composition—Part 2	3
*Ind.	1	Introduction to Management	4
*Acc.	2	Principles of Accounting—Part 2	4

Second Year

Mth.	15	Survey of Mathematics—Part 1	4
Eco.	1	Principles of Economics—Part 1	3
Lan.§	2	Elementary Modern Language or General Elective	4
Mth.	16	Survey of Mathematics—Part 2	4
Eco.	2	Principles of Economics—Part 2	3
Lan.§	2	Intermediate Modern Language or General Elective	4

Third Year

*Thl.‡	1	The Theology of the Bible	3
*Sta.	15	Business Statistics—Part 1	4
*Ind.	2	Industrial Management	4
*Ind.	3	Personnel Management	4
*Sta.	21	Business Statistics—Part 2	4
*Phl.	11	Introduction to Philosophy and Logic	3

Fourth Year

Eco.	6	Labor Problems in America	4
Psy.	2	Personnel Psychology	4
Thl.‡	2	The Theology of the Church	3
His.	13	Western Civilization—Part 1	3
*Ind.	6	Labor Legislation	4
*Eng.	23	Oral Composition	2

Fifth Year

His.	14	Western Civilization—Part 2	3
Phl.	12	Contemporary Philosophies of Man	3
*Ind.	12	Compensation Methods and Job Evaluation	4
Eng.	21	Approach to Literature—Part 1	3
*Ind.	13	Collective Bargaining	4
Ind.	20	Business Policy and Simulation	4

Sixth Year

Eng.	22	Approach to Literature—Part 2	3
Phl.	13	Principles and Problems of Ethics	3
Soc.	12	Industrial Sociology	3
Thl.‡	3	The Theology of the Sacraments	3
		General Elective	3
		General Elective	3

* Courses required for the Certificate of Proficiency in Industrial Relations.
‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.
§ Modern Language must be taken if two units of the same language were not taken in high school.

MARKETING

First Year

Credits

*Eng.	11	College Composition—Part 1	3
*B.L.	1	Law of Contracts	4
*Acc.	1	Principles of Accounting—Part 1	4
*Eng.	12	College Composition—Part 2	3
*Ind.	1	Introduction to Management	4
*Acc.	2	Principles of Accounting—Part 2	4

Second Year

Mth.	15	Survey of Mathematics—Part 1	4
*Mrk.	1	Principles of Marketing	4
Eco.	1	Principles of Economics—Part 1	3
Mth.	16	Survey of Mathematics—Part 2	4
*Mrk.	2	Retail Methods and Policies	4
Eco.	2	Principles of Economics—Part 2	3

Third Year

*Thl.‡	1	The Theology of the Bible	3
*Mrk.	3	Personal Selling	4
Fin.	1	Money and Banking	4
*Eng.	23	Oral Composition	2
*Phl.	11	Introduction to Philosophy and Logic	3
His.	13	Western Civilization—Part 1	3

Fourth Year

Thl.‡	2	The Theology of the Bible	3
Lan.§	1	Elementary Modern Language or General Elective	4
*Mrk.	4	Sales Administration	4
Phl.	12	Contemporary Philosophies of Man	3
Lan.§	2	Intermediate Modern Language or General Elective	4
His.	14	Western Civilization—Part 2	3

Fifth Year

Eng.	21	Approach to Literature—Part 1	3
Thl.‡	3	The Theology of the Sacraments	3
*Mrk.	5	Advertising	4
Phl.	13	Principles and Problems of Ethics	3
Sta.	15	Business Statistics—Part 1	4
		General Elective	4

Sixth Year

Eng.	22	Approach to Literature—Part 2	3
Sta.	21	Business Statistics—Part 2	4
Soc.	12	Industrial Sociology	3
		General Elective	3
*Mrk.	6	Market Research	4
		Related Elective	4

* Courses required for the Certificate of Proficiency in Marketing.

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

§ Modern Language must be taken if two units of the same language were not taken in high school.
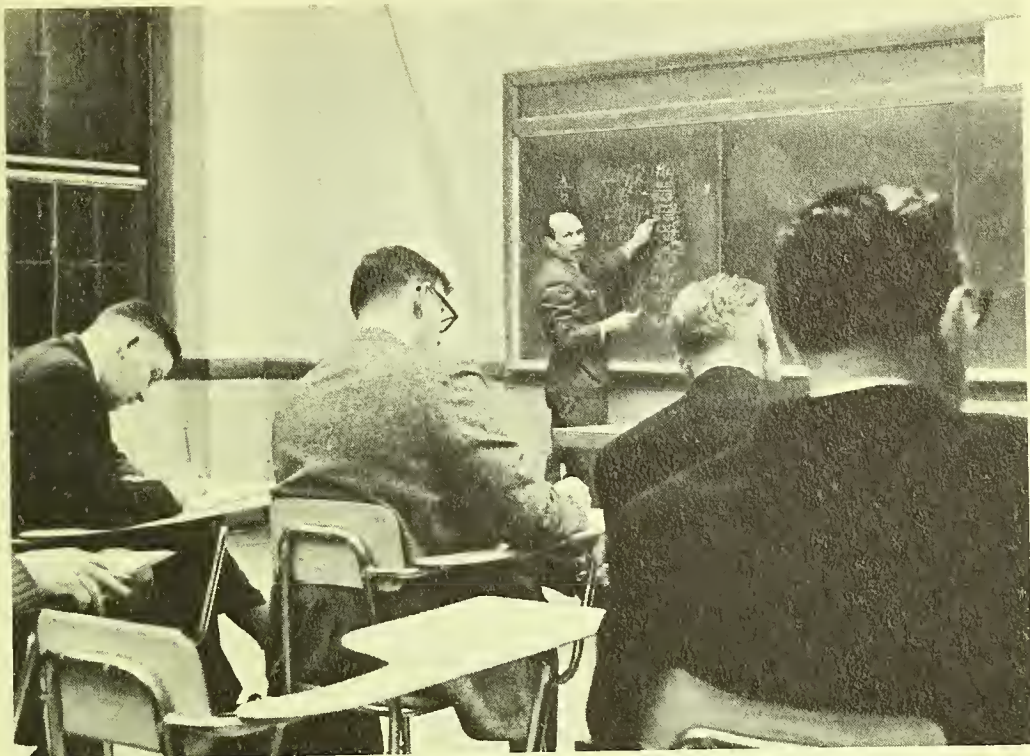
SCIENCE

CHEMISTRY

Curriculum Accredited by the American Chemical Society

First Year

		Credits
Eng. 11	College Composition—Part 1	3
Chm. 11	Basic Principles of Chemistry—Part 1	4
Mth. 11	Algebra and Trigonometry—Part 1	4
Eng. 12	College Composition—Part 2	3
Chm. 12	Basic Principles of Chemistry—Part 2	4
Mth. 12	Algebra and Trigonometry—Part 2	4

Second Year

Thl.‡ 1	The Theology of the Bible	3
Chm. 23	Organic Chemistry—Part 1	4
Mth. 23	Analytic Geometry and Calculus—Part 1	4
Eng. 23	Oral Composition	2
Chm. 24	Organic Chemistry—Part 2	4
Mth. 24	Analytic Geometry and Calculus—Part 2	4

Third Year

His. 13	Western Civilization—Part 1	3
Mth. 25	Analytic Geometry and Calculus—Part 3	4
Phy. 11	General Physics—Part 1	4
Thl.‡ 2	The Theology of the Church	3
Chm. 26	Quantitative Chemical Analysis	4
Phy. 12	General Physics—Part 2	4

Fourth Year

Eng. 21	Approach to Literature—Part 1	3
Phl. 11	Introduction to Philosophy and Logic	3
Chm. 47	Physical Chemistry—Part 1	4
Eng. 22	Approach to Literature—Part 2	3
Phl. 12	Contemporary Philosophies of Man	3
Chm. 48	Physical Chemistry—Part 2	4

Fifth Year

Ger. 1	Elementary German	4
Chm. 50	Advanced Inorganic Chemistry	3
Chm. 45	Seminar Research	3
Ger. 2	Intermediate German	4
His. 14	Western Civilization—Part 2	3
Chm. 34	Theoretical Organic Chemistry	3

Sixth Year

Phl. 13	Principles and Problems of Ethics	3
Thl.‡ 3	The Theology of the Sacraments	3
Chm. 40	Qualitative Organic Analysis	4
	General Elective	3
Chm. 39	Advanced Analytical Chemistry	4
	Major Elective	4

Major Electives: Chemistry 33; Mathematics 36; Physics 13.
‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

ELECTRONIC PHYSICS

First Year

		Credits
Eng. 11	College Composition—Part 1	3
His. 13	Western Civilization—Part 1	3
Mth. 11	Algebra and Trigonometry—Part 1	4
Eng. 12	College Composition—Part 2	3
His. 14	Western Civilization—Part 2	3
Mth. 12	Algebra and Trigonometry—Part 2	4

Second Year

Phy. 11	General Physics—Part 1	4
Phl. 11	Introduction to Philosophy and Logic	3
Mth. 23	Analytic Geometry and Calculus—Part 1	4
Phy. 12	General Physics—Part 2	4
Phl. 12	Contemporary Philosophies of Man	3
Mth. 24	Analytic Geometry and Calculus—Part 2	4

Third Year

Eng. 23	Oral Composition	2
Phy. 13	General Physics—Part 3	4
Mth. 25	Analytic Geometry and Calculus—Part 3	4
Chm. 10	Fundamentals of Chemistry	3
Phy. 23	Circuit Theory—Part 1	4
Mth. 36	Ordinary Differential Equations	4

Fourth Year

‡Thl. 1	The Theology of the Bible	3
Phy. 24	Circuit Theory—Part 2	4
Mth. 14	Modern Algebra	4
Eng. 21	Approach to Literature—Part 1	3
Phy. 35	Electronic Circuits—Part 1	4
Mth. 47	Topics in Applied Mathematics—Part 1	4

Fifth Year

Eng. 22	Approach to Literature—Part 2	3
Mth. 48	Topics in Applied Mathematics—Part 2	4
Phy. 36	Electronic Circuits—Part 2	4
‡Thl. 2	The Theology of the Church	3
Phy. 37	Electronic Circuits—Part 3	4
Phy. 42	Pulse Circuits	4

Sixth Year

Phl. 13	Principles and Problems of Ethics	3
Phy. 48	Field Theory	4
Phy. 49	Circuit Theory—Part 3	4
‡Thl. 3	Theology of the Sacraments	3
Phy. 51	Modern Physics	4
Phy. 52	Digital Circuits	4

‡ Non-Catholics may substitute electives in liberal arts program for Theology courses.

The courses listed below will be given in accordance with the outlined program of study or when there is a minimum enrollment of 12 students.

INTERDEPARTMENTAL READINGS

INTERDEPARTMENTAL READINGS—PART 1   1 *credit*

A collection of readings designed to supplement regular course reading lists. Conferences with Faculty Committee on Inter-departmental Readings, but no regular class meetings. Semester examination to determine grade.

INTERDEPARTMENTAL READINGS—PART 2   3 *credits*

An advanced version of Interdepartmental Readings—Part 1. A reading list, principally in the liberal arts area, is followed under Faculty Committee supervision. Though no regular class sessions are scheduled, seminar sessions centered on assigned readings occur monthly and an in-depth paper is required.

ACCOUNTING
JOSEPH G. MARKMANN, B.S., C.P.A., *Co-Chairman*

ACCOUNTING 1. PRINCIPLES OF ACCOUNTING—PART 1.   4 *credits*

The purpose of this course is to introduce the elements of accounting to future accountants and to those who are interested in other phases of business administration. A thorough training is given in the fundamental principles of recording business transactions, including a study of the presentation and interpretation of the financial data of a single proprietorship, partnership and corporation.

ACCOUNTING 2. PRINCIPLES OF ACCOUNTING—PART 2.

Prerequisite Accounting 1.   4 *credits*

Continuing the purpose of Accounting 1, this course embodies a detailed study of the application of current accounting principles and procedures to such problems as balance sheet valuation, profit determination, equity presentation, flow of working capital, application of funds, and comparative statement presentation and analysis.

ACCOUNTING 3. ELEMENTARY COST ACCOUNTING.

Prerequisite, Accounting 2.   4 *credits*

Elementary Cost Accounting is designed to acquaint the student with the basic principles applied to the job cost and process cost systems, and with the

uses and interpretations of cost information. The principal topics are the purchasing and issuing of materials and the maintenance of perpetual inventory records; control of labor; methods of distributing factory overhead expenses; evaluation of the problems involved in shrinkage and idle time; consideration of the forms used in job and process cost systems; and discussion of the necessity, importance and place of cost accounting in modern enterprises.

ACCOUNTING 14. INTERMEDIATE ACCOUNTING THEORY—PART 1.

Prerequisite, Accounting 2. 4 *credits*

The general purpose of both parts of this course is to present the theories and problems, beyond the elementary level, which involve the proper recording of transactions and the preparation of financial statements. The first part comprises a review of the accounting cycle; a general discussion of the preparation of financial statements; a detailed analysis of theory as applied to transactions affecting current assets, current liabilities, long-term investments, and their presentation on the balance sheet.

ACCOUNTING 24. INTERMEDIATE ACCOUNTING THEORY—PART 2.

Prerequisite, Accounting 14. 4 *credits*

The second part of Intermediate Accounting Theory includes a detailed presentation of theory as applied to plant and equipment, intangible assets, long-term debt, capital stock and surplus; the correction of errors of prior periods; an analysis of financial statements; and the statement of application of funds.

ACCOUNTING 5. AUDITING.

Prerequisite, Accounting 24. 4 *credits*

Auditing is designed to give the student practical training in modern audit practices, emphasizing the principles and objectives sought in an audit. Emphasis is also placed upon the audit basis, the best audit standards, an objective basis of reporting, the adoption of improved accounting standards, the acquisition of an intimate knowledge of business controls, professional ethics and legal liability.

ACCOUNTING 6. ADVANCED COST ACCOUNTING.

Prerequisite, Accounting 3. 4 *credits*

Advanced Cost Accounting extends the objectives of the elementary course for students who intend to work in the field of industrial accounting. The course covers the economic, industrial and managerial aspects of cost accounting with emphasis on the flexible budget as a basis for cost control and on the analysis of variance and graphic charts. Special emphasis is placed on the study of estimated costs, standard costs and distribution costs.

ACCOUNTING 7.   ADVANCED ACCOUNTING THEORY.

Prerequisite, Accounting 24.   4 *credits*

The purpose of this course is to give the accounting student a degree of maturity in the subject which will enable him to integrate, analyze and apply the outcomes of accounting to any business activity. The topics are install- ment sales; consignment sales; statement of affairs; insurance; estates; trusts; partnership liquidations; branch and agency accounting; consolidated balance sheets; and consolidated profit and loss.

ACCOUNTING 8.   INDIVIDUAL FEDERAL INCOME TAXES.

Prerequisite, Accounting 2.   4 *credits*

The primary purpose of this course is to give a comprehensive explana- tion of the federal structure as it applies to individuals and to provide experience in the application of tax principles to specific problems. The course covers the following topics: types of returns; rates; business and personal income; sales and exchange; business and personal deductions; and withheld and prepaid taxes.

ACCOUNTING 9.   ADVANCED ACCOUNTING PROBLEMS.

Prerequisite, Accounting 7.   4 *credits*

This course is a review of advanced material covering the entire account- ing field. The problems considered include partnership liquidations, fiduciary accounting, consolidations, federal and state taxes, municipal accounting, and other problems.

ACCOUNTING 10.   CORPORATE AND OTHER TAXES.

                                                                4 *credits*

The course in Corporate and Other Taxes includes a review of the federal revenue system; partnership returns; federal corporate income tax; federal estate and federal gift taxes; State of Pennsylvania corporation taxes; City of Philadelphia taxes. The student will gain insight into the entire tax structure through the preparation and discussion of each type of tax return.

ACCOUNTING 13.   BUDGETARY PLANNING AND CONTROL.

Prerequisite, Accounting 6.   4 *credits*

The course provides a study of the principles of business planning for financial control of future operations through the use of budgetary systems. Each section of the budget is treated; the various sections are assembled, and a master budget is prepared. Types and uses of budgets are discussed.

BUSINESS LAW

ROBERT F. LAVELLE, LLB., Co-Chairman

BUSINESS LAW 1.   LAW OF CONTRACTS.

4 credits

Law of Contracts is designed to introduce the student to the essential elements required in the formation of valid contracts. The topics are the nature and source of law; courts and procedures; crimes and torts; rules governing the drafting of contracts; the rights of individuals; the establishment of the relationship of principal and agent, and their duties to one another and to third persons.

BUSINESS LAW 2.   LAW OF NEGOTIABLE INSTRUMENTS.

Prerequisite, Business Law 1.   4 credits

The first half of the course deals with the application of the principles of common law and those of the Uniform Negotiable Instrument Act to the various papers used in business transactions. The second half covers the laws of principal and surety, and insurer and insured as related to the use of business papers.

BUSINESS LAW 3.   LAW OF PERSONAL PROPERTY.

Prerequisite, Business Law 1.   4 credits

The purpose of this course is to give the student a basic understanding of the nature and classification of property, sales and security transactions. The principal topics are personal property, bailments, carriers, secured transactions, sales and acquisition and transfer of title. The provisions of the Uniform Commercial Code are applicable to this course.

BUSINESS LAW 4.   LAW OF BUSINESS ASSOCIATIONS.

Prerequisite, Business Law 1.   4 credits

Law of Business Associations covers the common and statute laws relative to the creation, operation and termination of partnerships, joint stock companies, business trusts, and corporations. Throughout the course, emphasis is placed upon the Uniform Partnership Act and the Incorporation Act of the State of Pennsylvania.

BUSINESS LAW 6.   LAW OF REAL ESTATE.

Prerequisite, Business Law 2.   4 credits

The purpose of this course is to provide an understanding of the legal problems involved in real estate transactions and an appreciation of the value of legal counsel. The principal topics are real estate brokerage relationship, personal property and fixtures, rights in real estate, co-ownership, acquisition of title, recording and evidence of title, contract to sell, mortgages, deeds, liens, landlord and tenant, restrictions and zoning, and eminent domain.

CHEMISTRY

Curriculum Accredited by the American Chemical Society

ROBERT K. PRESTON, Ph.D., *Co-Chairman*

CHEMISTRY 10. FUNDAMENTALS OF CHEMISTRY.   3 *credits*

This course is designed to introduce some of the basic principles of elementary chemistry for science majors in curricula other than chemistry. It covers stoichiometry, states of matter, thermochemistry, atomic and molecular structure, some organic structural chemistry, as well as the beginnings of reaction mechanisms and solution chemistry.

CHEMISTRY 11. BASIC PRINCIPLES OF CHEMISTRY—PART 1.   4 *credits*

The aim of this course is to provide the student with a firm theoretical basis for the understanding of the fundamentals of chemistry with major emphasis in the field of Inorganic Chemistry. The content of the first part of the course includes stoichiometry, the states of matter, thermochemistry, atomic and molecular structure, and the periodic chart. The descriptive chemistry is concerned principally with the non-metals.

CHEMISTRY 12. BASIC PRINCIPLES OF CHEMISTRY—PART 2.

Prerequisite, Chemistry 11.   4 *credits*

This course is a continuation of Chemistry 11. The content includes solutions, ionic equilibria, oxidation and reduction, electrochemistry, complex ions and nuclear chemistry. The descriptive chemistry of the metals is also covered as well as some aspects of Qualitative Analysis.

CHEMISTRY 23. ORGANIC CHEMISTRY—PART 1.

Prerequisite, Chemistry 12.   4 *credits*

The purpose of the first part of the course is to present the theoretical aspects of organic chemistry together with the structure, nomenclature, syntheses, and physical and chemical properties of the main classes of organic compounds. The aliphatic compounds are studied with emphasis on bond structure, reaction mechanisms, stereochemistry, and the correlation of structure with physical and chemical properties. Petroleum chemistry, proteins and carbohydrates are treated as special topics.

CHEMISTRY 24. ORGANIC CHEMISTRY—PART 2.

Prerequisite, Chemistry 23.   4 *credits*

In the second part of Organic Chemistry, monofunctional and polyfunctional aromatic compounds, and polyfunctional aliphatic compounds are considered. These compounds are discussed from the viewpoint of reaction mechanisms and synthetic sequences. Both aliphatic and aromatic compounds are also treated under the three categories of substitution, addition and elimination reactions.

CHEMISTRY 26.   QUANTITATIVE ANALYSIS.

Prerequisite, Chemistry 12.   4 *credits*

The contents of this first course in Quantitative Analysis consists of the study of the theory and basic principles of volumetric, complexometric, and gravimetric procedures. The thorough coverage of the stoichiometric calculations, as well as laboratory experiments designed to develop analytical techniques, are performed. An introduction is made to modern instrumental methods, such as colorimetric, electrolytic, potentiometric, and polarographic analytical procedures.

CHEMISTRY 33.   BIOCHEMISTRY.

Prerequisite, Chemistry 24.   3 *credits*

This course is concerned with the study of the chemistry of substances associated with living processes. The role of water, proteins, carbohydrates and fats, together with their interrelation are considered. Special emphasis is placed on the correlation of the structure of natural polymers with their physical properties.

CHEMISTRY 34.   THEORETICAL ORGANIC CHEMISTRY.

Prerequisite, Chemistry 24.   3 *credits*

The purpose of this course is to extend the study of organic chemistry by giving consideration to the theoretical concepts of the structure and reactions of organic compounds. The nature of chemical bonds, the mechanisms of organic reactions and chemical kinetics are topics of special interest.

CHEMISTRY 39.   ADVANCED QUANTITATIVE ANALYSIS.

Prerequisites, Chemistry 24, 47.   4 *credits*

The lectures will cover the quantitative determination of the functional groups of organic compounds by chemical and instrumental techniques and the application of these procedures to organic mixtures. The laboratory work will include elemental as well as functional group analyses using the conventional chemical procedures and instrumental procedures such as gas-liquid chromatography, ultra-violet and infra-red spectroscopy, and polarography.

CHEMISTRY 40.   QUALITATIVE ORGANIC ANALYSIS.

Prerequisites, Chemistry 24, *and* 26.   4 *credits*

The purpose of this course is to introduce the student to research methods while broadening his knowledge of organic chemistry. The course content consists of the solution of problems involving the structure and reactions of organic compounds. In the laboratory, experiments concerned with the identification of compounds and with the separation and identification of the components of mixtures are performed.

Chemistry 45.   Seminar Research.

Prerequisites, Chemistry 24, 26 and 47.   *3 credits*

This course concerns itself with the chemical research literature and its use. Each student is required to prepare and deliver a seminar topic. The entire Chemistry faculty is available for counsel.

Chemistry 47.   Physical Chemistry—Part 1.

Prerequisites, Chemistry 26, Mathematics 25, and Physics 12.   *4 credits*

The general purpose of this course is to familiarize the student with the fundamentals of physical chemistry and their application to various physical and chemical systems. The contents of Part 1 are ideal and real gases, liquids, solids, elementary thermodynamics, thermochemistry, solutions, homogenous and heterogeneous equilibria.

Chemistry 48.   Physical Chemistry—Part 2.

Prerequisite, Chemistry 47.   *4 credits*

The contents of Part 2 are electrical conductance, electrochemistry, chemical thermodynamics, chemical kinetics, and atomic and molecular structure.

Chemistry 50.   Advanced Inorganic Chemistry.

Prerequisites, Chemistry 24, 39, 47.   *3 credits*

This lecture course will stress the modern atomic and molecular structure approach to the more recent advances in inorganic chemistry and will consider such things as the elements and their compounds, etc.; the periodic chart; some aspects of inorganic polymeric compounds; complexes in aqueous solutions; nuclear chemistry as well as other pertinent aspects of modern inorganic chemistry.

Max J. Barth, Ph.D. graphically illustrates a problem in chemical thermodynamics for his class in Physical Chemistry.

ECONOMICS

CASIMIR CIESLA, Dr. Rer. Pol., *Chairman*

ECONOMICS 1. PRINCIPLES OF ECONOMICS—PART 1.

3 *credits*

This is a general introductory course designed to acquaint the student with fundamental economic principles and processes. The topics to be discussed in both parts of this course will include the organization of production, monopoly and competition, money and banking, governmental monetary and fiscal policy, price levels, the national income, level and fluctuation in income and employment, the price system, international trade, and the social encyclicals.

ECONOMICS 2. PRINCIPLES OF ECONOMICS—PART 2.
Prerequisite, Economics 1.   **3** *credits*

This course is a continuation of Economics 1. The content follows the description given above.

ECONOMICS 3. AMERICAN ECONOMIC HISTORY.
Prerequisite, Economics 2.   **4** *credits*

The purpose of this course is to acquaint the student with the economic development of the United States from the colonial age to the present time. Topics to be discussed will include Mercantilism and the colonial economy; economic aspects of the American Revolution and of the formation of the nation; the Industrial Revolution; land policy and agriculture; economic aspects of the Civil War; monetary problems and banking; the frontier; big business; imperialism and the growth of our contemporary economy through two world wars.

ECONOMICS 4. HISTORY OF ECONOMIC THOUGHT.
Prerequisite, Economics 4.   **3** *credits*

This course is designed to give the student a knowledge of the historical development of economic thought from ancient times to the present. The principal topics treated are the contributions of the ancient philosophers, the Scholastics, the Mercantilists, the Classicists and the German Historical Schools.

ECONOMICS 5. CONTEMPORARY ECONOMIC SYSTEMS.
Prerequisite, Economics 5.   **3** *credits*

A history and analysis of socialist and Marxist thought culminating in a comparative study of the structure and function of the economics of the United States and the Soviet Union.

ECONOMICS 6. LABOR PROBLEMS IN AMERICA.
Prerequisite, Economics 2.   **4** *credits*

This course provides the student with an understanding of the roles played by unions, employers and the government in the solution of the major economic and non-economic problems of the worker in the United States. The structure, philosophy and function of management in the area of collective

bargaining are analyzed. The role of the government in employee-management relations is also examined. The various solutions to the problems of unemployment, substandard wages and personal insecurity are explored and their effectiveness evaluated. Existing and proposed labor legislation are surveyed.

Economics 7. Intermediate Economic Theory. 4 *credits*
Prerequisite, Economics 2.

The purpose of this course is to develop the basic concepts and tools of economic analysis. Emphasis is placed on price determination of goods and productive services under various market conditions; on the determinants of the level of income and employment, and its changes over time.

Economics 8. Mathematical Economics. 3 *credits*

Designed to acquaint the student with certain topics in algebra, analytic geometry, and calculus which are most useful in their application to micro- and macro-economic analysis.

Economics 9. Monetary Theory. 3 *credits*
Prerequisite, Economics 8.

An analysis of the role of money and the monetary system in determining income, employment, and the price level.

Economics 10. Microeconomic Theory. 4 *credits*
Prerequisite, Economics 8.

Theory of consumer behavior, production, and cost. Price determination of products in various market models and of factors of production. Welfare economics.

Economics 11. Macroeconomic Theory. 4 *credits*
Prerequisite, Economics 8.

Techniques of measuring national income and output. Theory of aggregate demand and the equilibrium level of income or output. Theory of economic fluctuations and of economic growth. Fiscal and monetary policies toward stabilization.

EDUCATION

WILLIAM J. BINKOWSKI, M.A., *Chairman*

Education 11.   Introduction to Education.   3 *credits*

The role of the public school in American society. Particular attention to historical background, philosophy, and objectives.

Education 12.   Educational Psychology.   3 *credits*

The aim of this course is the application of psychological principles concerned with the processes of growth and development, thinking, learning and motivation to the problems of education. Principles of mental hygiene and social psychology applied to educational problems in the home, the school, and the community.

Education 13.   General Methods.   3 *credits*

The course deals with the common problems met by the teacher in dealing with the child in the classroom situation: discipline, use of visual aids, lesson planning, test and measurement, etc.: an overview of the reading program with emphasis in reading in the academic subjects on readiness, comprehension, vocabulary development, silent reading, and oral reading.

Education 14.   Special Methods.   3 *credits*

The course treats methods of teaching in particular fields of subject matter. The course is ordinarily given by a member of the department or field of concentration in which the prospective teacher is preparing to qualify for certification. Lessons are prepared and given by the prospective teacher to a group of students who, like himself, are preparing for the same certification. These practice lessons provide for the evaluation, criticism, correction and replanning which constitute the laboratory experience which is an integral part of the course.

Education 19, 20.   Practicum in Student Teaching.   6 *credits*

Prospective teachers are assigned to selected schools where, under the supervision of critic teachers, an opportunity is provided for teaching in live situations. Student teachers hold regular conferences with members of the Education staff together with critic teachers attached to the school where the practice teaching is carried on. Ninety clock hours are devoted to observation; ninety clock hours to practice teaching. The work is spread over two terms.

EDUCATION 21. AUDIO-VISUAL AIDS   3 *credits*

Pictorial and other sensory aids in instruction. Special attention given to the place of the teacher in the various programs involving the use of self instructional devices by the student. Use of overhead projectors, and all types of projection apparatus.

EDUCATION 23. READING SKILLS.   3 *credits*

This course is designed to familiarize the student with the best current thinking and research on the teaching of reading. The reading process is studied from the early readiness stage, through the primary, intermediate and secondary levels and the practices considered are easily adapted for use in actual teaching situations. The areas to be discussed include: beginning reading, a directed reading activity, individual and group inventories, classroom grouping, vocabulary development and enrichment, word attack skills, independent learning activities, and evaluation.

It is recommended that the basic course in the History of the United States and Pennsylvania be part of the undergraduate preparation for all teachers. This course is required to make the college provisional certificate permanent. History 10—History of the United States and Pennsylvania satisfies this requirement.

The following courses may be of interest in the area of general education:
Psychology   1—Psychology of Adjustment
Psychology   3—General Psychology
Psychology   4—Abnormal Psychology
Psychology   5—Child and Adolescent Psychology
Psychology   6—Interviewing and Counseling Techniques
Sociology   15—Juvenile Delinquency

Brother Emery, Dean, greets new students
at the fall orientation program.

ENGLISH

CHARLES V. KELLY, M.A., *Chairman*
SHIRLEY ANN ERIKSSON, M.A., *Sub-Chairman*

ENGLISH 00.   FUNDAMENTALS OF ENGLISH.

A course designed to improve reading techniques and comprehension, English 00 also emphasizes essentials of grammar, and is designed to meet the needs of students whose entrance examinations indicate they are not yet ready for a regular college course in composition. *This course carries no college credit.*

ENGLISH 11.   COLLEGE COMPOSITION—PART 1.   3 *credits*

Training in exposition; occasional papers in narration. Weekly themes; selected readings to stimulate writing; conferences with instructor.

ENGLISH 12.   COLLEGE COMPOSITION—PART 2.   3 *credits*
Prerequisite, English 11

Training in exposition, narration, description, argumentation; the research paper. Readings and conferences. Course concludes with departmental Freshman Composition Test.

ENGLISH 21.   APPROACH TO LITERATURE—PART 1.   3 *credits*
Prerequisite, English 12

Training for literary appreciation through intense study of biography and fiction. Critical papers, class discussions, and collateral readings.

ENGLISH 22.   APPROACH TO LITERATURE—PART 2.   3 *credits*
Prerequisite, English 12

A continuation of English 21, concentrating on drama and poetry.

ENGLISH 23.   ORAL COMPOSITION.   2 *credits*

A course stressing the elements of speech; special attention to the composition and delivery of speeches.

ENGLISH 25.   SHAKESPEARE.
Prerequisites, English 21, 22.   4 *credits*

A study of the development of Shakespeare's dramatic art, considered in relation to the Elizabethan era, its dramatic tradition, its playhouse, and the author's life. Detailed analysis of fifteen plays chosen from among the Histories, Comedies, and Tragedies.

English 34. Survey of English Literature—Part 1:
    Beginning to 1800.
    Prerequisites, English 21, 22. 4 *credits*

A study of the literary movements and forms (exclusive of the novel and drama) from the Old English period to the decline of Neoclassicism, with concentration on the representative authors and works.

English 35. Survey of English Literature—Part 2:
    1800 to the Present
    Prerequisite, English 34. 4 *credits*

A continuation of English 34, beginning with Burns, Blake, and the Romantic writers and extending to the middle of the current century.

English 36. Survey of American Literature.
    Prerequisite, English 21, 22. 4 *credits*

A study of the literary movements and forms (exclusive of drama) from Colonial times to the start of the present century, with concentration on the representative authors and works.

English 38. The British and American Novel: Richardson to Hardy.
    Prerequisite, English 21, 22. 4 *credits*

Historical development of the genre; structural patterns of the narrative form; analysis and discussion of assigned readings.

English 39. The Contemporary British and American Novel.
    Prerequisites, English 21, 22. 4 *credits*

A continuation of English 38, with concentration on the major novelists; structure and trends.

English 41. Readings In Drama.
    Prerequisites, English 21, 22. 4 *credits*

A study including representative Classical and Modern European plays in translation, as perspective for concentration on British drama from its emergence in medieval times and on American drama.

English 42. Literary Theory and Criticism
    Prerequisites, English 34, 35 4 *credits*

An introduction to the theory of literary structure and literary value; exercises in the description and evaluation of literary works; reports on assigned readings.

ENGLISH 43.   MODERN BRITISH AND AMERICAN POETRY.
Prerequisites, English 34, 35.   4 credits
   An examination of representative 20th century poetic practice in English.

ENGLISH 45.   THE RENAISSANCE TO 1640, EXCLUDING SHAKESPEAREAN
   DRAMA.
Prerequisites, English 34, 35   4 credits
   Selected readings in the literature of the English Renaissance. Attention
to the types and sub-types of poetry and prose in the 16th and 17th centuries.

ENGLISH 46.   THE RESTORATION AND THE 18TH CENTURY.
Prerequisites, English 34, 35.   ·   4 credits
   The historical approach will include the chief figures: Dryden, Pope,
Swift, Addison and Steele. Johnson and their more outstanding contemporaries.
Theory and practice of the authors.

ENGLISH 47.   THE NINETEENTH CENTURY.
Prerequisites, English 34, 3·5.   4 credits
   The chief literary figures of the period—Coleridge, Wordsworth, Byron,
Shelley, Keats, Tennyson, Arnold, Browning, Hopkins, Carlyle, Newman and
Ruskin—and their contemporaries placed against their milieu. Lyric and essay
stressed.

ENGLISH 49.   HISTORY OF THE ENGLISH LANGUAGE AND PHILOLOGY.
Prerequisites, English 34, 35.   4 credits
   Origins and the development of modern English from Old and Middle
English; dialects and dialect geography.

ENGLISH 50.   ADVANCED WRITING.
Prerequisites, English 34, 35.   4 credits
   Practice in confronting special writing problems of business, education,
and other professions. Recommended for prospective teachers.

ENGLISH 55.   SENIOR SEMINAR.
Prerequisites, English 34, 35.   4 credits
   Intensive study of one author (chosen by student) with relation to his
literary period and genre. Preparation and discussion in small group meetings
of two long papers each semester by each student with emphasis on synthesis
of the ideas presented in individual courses.

ENGLISH 56.   INTRODUCTION TO STRUCTURAL LINGUISTICS.
Prerequisites, English 34, 35.   4 credits
   This course will treat modern theories about the nature of language and
new techniques for grammatical analysis. An attempt will be made to apply
the principles of linguistics to the teaching of English and of foreign languages.

The entire program for the English major is as follows:

I. General Requirements: 14 semester credit hours.

English 11 and 12 (College Composition)............................6 credits

English 21 and 22 (Approach to Literature)........................6 credits

English 23 (Oral Composition)..2 credits

II. Advanced Required Courses: 32 semester credit hours.

English 34 and 35 (Survey of English Literature)..............8 credits

English 36 (Survey of American Literature)........................4 credits

English 38 and 39 (Development of the Novel)....................8 credits

English 41 (Readings in Drama).......................................4 credits

English 43 (Modern British and American Poetry) ....4 credits

English 25 (Shakespeare) ....4 credits

III. Advanced Elective Courses: Three courses required, but not more than two from English 45-47.

English 42 (Literary Theory and Criticism)........................4 credits

English 45 (The Renaissance to 1640, excluding
        Shakespearean Drama)..4 credits

English 46 (The Restoration and the 18th Century)............4 credits

English 47 (The Nineteenth Century)................................4 credits

English 49 (History of the English Language and
        Philology) ....4 credits

English 50 (Advanced Writing)..4 credits

English 55 (Senior Seminar)..4 credits

*Since February of 1967,
women have been enrolled in the previously
all-male Evening Division.*

FINANCE

Finance 1. Money and Banking.

<div align="right">4 *credits*</div>

Money and Banking is a course which is designed to give the student an understanding of the nature and operation of our money and banking systems and of the application of monetary and banking theory to current problems. Particular emphasis is placed on monetary standards and commercial bank operations. The effects of Federal Reserve policy and Federal Treasury fiscal policies on financial institutions are fully treated.

Finance 2. Corporation Finance.

Prerequisite, Finance 1. 4 *credits*

Corporation Finance is a study of the fundamental principles of business finance. The topics included in this course are promotion, forms of business organization, stocks, bonds, notes and underwriting methods, capitalization, surplus and dividend policies, business failures and reorganizations.

Finance 3. Investment Principles.

Prerequisite, Finance 1. 4 *credits*

The purpose of this course is to familiarize the student with the principles of sound and prudent procedures for the investment of funds. The main topics are principles of security analysis and their application to industrial, railroad, public utility, government and municipal investments. Other outlets are also covered including life insurance, savings banks, and real estate. The effect of taxation on investment policy and personal portfolio administration is considered.

Finance 4. Stock Markets.

Prerequisite, Finance 1. 4 *credits*

The content of the course Stock Markets includes the following topics: the benefits rendered by exchanges to the business community; the factors affecting security prices; mechanics of security exchanges and clearing house systems; types of dealers and brokers; and the methods of buying, selling and handling securities.

Finance 5. Analysis of Financial Statements.

Prerequisites, Accounting 1 and 2. 4 *credits*

The purpose of this course is to provide the student with an understanding of the procedures for the analysis of financial statements. The topics are viewpoints of analysis, the balance sheet, the income statement, statement of sources and application of funds, and surplus accounts. Emphasis is placed on industrial corporation statements.

FINANCE 7.   CREDIT AND COLLECTIONS.

Prerequisite, Finance 1.   *4 credits*

This course is a detailed study of the organization and management of a credit department, investigation techniques, principles of statement analysis, collection methods, and the legal aspects of bankruptcy and receivership in credit work.

FINE ARTS

FINE ARTS 1.   HISTORY OF ART   *3 credits*

Historical survey of the principal branches of the fine arts from the classical era to the present.

FINE ARTS 2.   HISTORY OF MUSIC   *3 credits*

The history of the evolution of music in the West from Ancient Greece to today, illustrated by recordings and accompanied by discussion of style, technique, form, tradition, and change. An effort is made to arrive at standards of criticism of music.

Dr. Richard Boudreau, Associate Professor of French, provides "a ditto excerpt" to challenge his Intermediate French class.

HISTORY

DENNIS McCARTHY, M.A., *Co-Chairman*

HISTORY 10.   HISTORY OF THE UNITED STATES AND PENNSYLVANIA.

3 credits

A survey of the development of the United States with special attention to the history of Pennsylvania from the founding of the colonies to the present. Satisfies State requirements for teacher certification for those not majoring in History and Government.

HISTORY 13.   HISTORY OF WESTERN CIVILIZATION—PART 1.   *3 credits*

This is a survey of the political, economic, religious, social, intellectual and artistic development of Western Civilization from its Graeco-Roman origins to mid-seventeenth century.

HISTORY 14.   HISTORY OF WESTERN CIVILIZATION—PART 2.   *3 credits*

Continuation of History 13 from the mid-seventeenth century to modern times.

HISTORY 15.   HISTORY OF THE UNITED STATES AND PENNSYLVANIA—PART 1.

4 credits

A study of the development of the United States and Pennsylvania from the founding of the colonies to 1865; covers the coming of the Revolution, the establishment of the Federal Government, the National Period, the Jacksonian Era, and the coming of the Civil War.

HISTORY 16.   HISTORY OF THE UNITED STATES AND PENNSYLVANIA—PART 2.

4 credits

Continuation of History 15. Reconstruction, the economic development of the latter part of the nineteenth century, the Progressive Era and America in two world wars.

HISTORY 17.   HISTORY OF GREECE AND ROME.   *4 credits*

A study of the development of civilization in Greece and its expansion through colonization and the conquests of Alexander; stresses the intellectual and artistic heritage which Greece passed on to Rome and the West. Roman history is surveyed from the founding of the Republic to the breakup of the Empire in the West a thousand years later.

HISTORY 18.   EUROPE 1000-1500.   *4 credits*

A study of West European Christian civilization from the end of the "dark ages," through the High Middle Ages, to the dawn of modern history.

HISTORY 19.   EUROPE FROM 1500 TO 1763.   4 *credits*

A study of the emergence of the modern European state system, the Reformation Era, dynastic and religious wars and the economic and cultural development of Europe to the end of the Seven Years' War.

HISTORY 20.   EUROPE FROM 1763 TO 1870.   4 *credits*

Europe in the Age of the French Revolution and Napoleon, the aftermath of the Congress of Vienna, nationalism, democracy and industrialism, the formation of the Italian and German nations.

HISTORY 21.   EUROPE SINCE 1870.   4 *credits*

The Bismarckian Era, domestic political developments, the impact of the industrial revolution, the "new imperialism," World War I, the failure of the peace, World War II and the Cold War.

HISTORY 25.   CONSTITUTIONAL HISTORY OF THE UNITED STATES.

4 *credits*

The English and colonial background of the federal constitution; the interpretation, application and evolution of constitutional principles in a growing and changing country.

HISTORY 34.   THE UNITED STATES IN THE TWENTIETH CENTURY

4 *credits*

Study of the United States from the Progressive Era to the present. Emphasizes the role of the United States in the international scene and the increasing role of government in domestic life.

HISTORY 41.   LATIN AMERICA SINCE 1830   4 *credits*

Political, economic, and social development in Latin American nations since they gained independence.

HISTORY 48.   METHODOLOGY AND DIRECTED READING—PART 1.   4 *credits*

Introduction to the methodology of historical research; the nature of history and historical research, use of bibliographies and reference books, organization of research, writing a scholarly paper; also selected readings, discussions, and reports.

HISTORY 49.   METHODOLOGY AND DIRECTED READING—PART 2.

Prerequisite, History 48.   4 *credits*

Continuation of History 48.

INDUSTRY

JOSEPH E. CROWLEY, LL.B., *Co-Chairman*

INDUSTRY 1.   INTRODUCTION TO MANAGEMENT   4 *credits*

In this course, the student is introduced to the concepts, principles, func-
tions, and techniques of management. The development of management thought
is traced; the role of business and industry, is considered; the contribution of
particular disciplines to management is studied. The use of quantitative and
behavioral approaches is introduced.

INDUSTRY 2.   INDUSTRIAL MANAGEMENT.

Prerequisite, Industry 1.   4 *credits*

The content of the course includes a review of management principles
and philosophy; a consideration of problems related to plant location and
organization, choice of equipment, plant layout, materials handling, time study,
incentive plans and wage formulas. Production control, quality control, pur-
chasing and personnel problems are also considered. Some case study methods
are introduced for the solution of practical problems.

INDUSTRY 3.   PERSONNEL MANAGEMENT.

Prerequisite, Industry 2.   4 *credits*

The aim of this course is to prepare students to understand and analyze
methods, procedures and practices applicable to personnel management. The
content of the course is concerned with the analysis of existing programs, and
the adaptation and development of procedures and methods which will insure
a smooth-running, efficient personnel department.

INDUSTRY 4.   METHODS ANALYSIS AND TIME STUDY.

Prerequisites, Industry 2, and Statistics 15.   4 *credits*

The purpose of this course is to give the student a general understanding
of the position of the time and motion study analyst in modern industry and,
more especially, a knowledge of the tools and procedures which are used in
controlling labor costs. The topics covered are process charting and analysis,
motion study and synthetic times, principles of motion economy, stop watch
time study, time study standards, and the application of time study data to
incentive systems.

INDUSTRY 6.   LABOR LEGISLATION.

Prerequisites, Business Law 1 and Industry 3.   4 *credits*

This course provides the student with an understanding of the objectives

and actions of the federal and state governments in the field of labor-management relations through a comprehensive consideration of the more important pieces of labor legislation. The principal topics are the application of the early legal doctrines to unions, the laws governing union activities and the law of collective bargaining, The National Labor Relations Act, the Railway Labor Act, the Labor-Management Reporting and Disclosure Act of 1959 are among the more important pieces of labor legislation analyzed. State labor legislation is reviewed.

Industry 7. Production Control.

Prerequisites, Industry 4. 4 credits

The purposes of this course are to inculcate some general feeling for the application of controls to relatively complex operations; to present a broad and objective view of modern production control practices; and to provide some simulated experiences in attacking production control problems. The content includes a review of basic industrial organization; the role of production control in manufacturing enterprises; production control department staffing and function; planning; scheduling; routing; dispatching; follow-up; inventory control; the impact upon production control of automation, electronic data processing and operations research.

Industry 10. Procurement and Inventory Management.

Prerequisite, Industry 2. 4 credits

The purpose of this course is to develop the criteria which serve as the basis for sound purchasing procedures. The topics considered are organization, quality determination, price objectives, and source selection. Attention is also directed to the problems of quantity determination and inventory control, and the use of recently developed techniques in their solution.

Industry 11. Systems and Procedures.

Prerequisite, Accounting 2. 4 credits

This course is designed to give the student perspective and insight in the application of systems and procedures to management problems. The principal topics are the nature of systems and procedures; the significance of the management environment; organizational placement of systems and procedures activity; sources and types of projects; systems analysis; machines and processes; communications; publications; flow charting; records and reports control; work sampling; work simplification.

Industry 12. Compensation Methods and Job Evaluation.

Prerequisites, Industry 2 and 3. 4 credits

This course is designed to acquaint the student with the principles of job evaluation, compensation methods, and the technique and installation of incentive plans.

INDUSTRY 13. COLLECTIVE BARGAINING.

Prerequisites, Industry 3 and 6.   4 *credits*

Collective Bargaining is the study of the external and internal factors which influence the establishment of trade agreements and the application of the provisions of the established trade agreement to day-to-day employer-employee problems. Some of the topics covered in this course are the functions of collective bargaining; its application in day-to-day operations; its characteristic processes and procedures; and the effect of the law on negotiations and the resulting trade agreement. These topics are explored, analyzed and answered through a study of authentic cases drawn from industry. Outside reading is required.

INDUSTRY 14. PRINCIPLES OF QUALITY CONTROL.

Prerequisites, Statistics 15.   4 *credits*

This course is designed to give the student both a broad perspective of the quality function and a practical working knowledge of the application of quality control to industry today. It covers the economics of quality control; the organization for quality; the acceptance, control, and assurance of quality, and similar aspects.

INDUSTRY 16. INTRODUCTION TO ELECTRONIC DATA PROCESSING. 4 *credits*

This course is designed to familiarize the student with the broader aspects of the field of integrated and electronic data processing. Consideration is given to the following topics: growth and development of data processing; punched card systems; communication aspects of data processing; integrated data processing; fundamentals of electronic digital computers; basic elements of, reasons for, and current approach to electronic data processing; systems development; state of the technology; relation to automation; fields and trends of application; and current status and future outlook of data processing.

INDUSTRY 20. BUSINESS POLICY AND SIMULATION.

Prerequisite, Completion of thirty hours or permission of the Dean. 4 *credits*

With the objective of integrating knowledge of business, especially from the management focus, Industry 20 utilizes models of manufacturing operations and simulate economic environment through seminars and creative thinking teams that will aim at providing realistic market conditions and competitive team efforts. Students are divided into teams to run their own company. Results of quarterly decisions are calculated and discussed. Besides learning by doing and participating in management simulation, students study cases in managerial problems in order to further develop analytical skills and critical judgment.

INSURANCE

JOHN H. CHRISTIE, B.S., *Co-Chairman*

INSURANCE 1. THE PRINCIPLES OF INSURANCE.

4 credits

This course provides a study of the underlying principles upon which all forms of insurance are based. Beginning with the theory of probabilities, the principles are developed as they apply to the different branches of the business. The four divisions of insurance—life, fire, marine, and casualty—are presented.

INSURANCE 2. THE PRINCIPLES OF LIFE INSURANCE.

4 credits

The course provides a study of the theory and practice of life insurance and of its legal aspects. Consideration is given to the various forms of life insurance—individual, group and industrial. The course is designed to give the student a knowledge of Social Security and of programming. Attention is also given to the supervision and the management of life insurance companies.

INSURANCE 3. FIRE AND INLAND MARINE INSURANCE.

4 credits

This course considers in detail the fire policy contract, home owners policies, endorsements and forms, schedule rating, and the various inland marine insurance contracts and endorsements.

INSURANCE 4. CASUALTY INSURANCE.

4 credits

The contents of the course in casualty insurance includes the following: automobile, burglary, public-liability, compensation, accident and health, steam-boiler, machinery, and plate-glass insurance; and fidelity and surety bonds insurance. Attention is paid to policy contract, rate making, experience rating, special agreements and endorsements, assignment of policies, etc.

MARKETING

GEORGE R. SWOYER, M.B.A., *Chairman*

MARKETING 1. PRINCIPLES OF MARKETING.

4 credits

The purpose of this course is to provide the student with a broad background of the important principles and factors relating to the marketing

functions in the American economy. The principal topics are the nature, significance and functions of marketing; consumer motivation; behavior and buying problems; wholesaling and retailing of consumer goods; marketing industrial goods and raw materials; market research and merchandise development; buying, selling, price policies and practices; channels of distribution; and governmental relationships to marketing.

MARKETING 2. RETAIL METHODS AND POLICIES.

Prerequisite, Marketing 1.   *4 credits*

This course is designed to enable students to understand the structure of retailing and the variety of problems associated with the establishment of a retail store. The principal topics include store location, buying, pricing, personnel selection, selling, sales planning and control, credit and collections, and insurance.

MARKETING 3. PERSONAL SELLING.

Prerequisite, Marketing 1.   *4 credits*

The purpose of this course is to acquaint the student with the development, the importance and the practice of individual selling. In the treatment of the content, primary consideration is given to sales personality, the phases of sales presentation, types of buyers, and the ethics in salesmanship. The students are required to make actual sales presentations.

MARKETING 4. SALES ADMINISTRATION.

Prerequisite, Marketing 1.   *4 credits*

The aim of this course is to familiarize the student with the activities of a sales administrator in directing and controlling a sales force. The topics considered are the recruitment, selection, training, compensation, motivation, and supervision of salesmen. Other topics also included are the establishment of sales territories, quotas and budgets.

MARKETING 5. ADVERTISING.

Prerequisite, Marketing 2.   *4 credits*

The course provides a complete and up-to-date treatment of the economic and social aspects of advertising, including the scope of advertising and the important methods and techniques of research which form the basis of any advertisement or advertising campaign; a practical treatment of copy, layout, and media; the effectiveness of advertising, advertising departments, and the advertising agency.

MARKETING 6. MARKETING RESEARCH AND ANALYSIS.

Prerequisite, Senior Standing.   *4 credits*

This course deals with the use of scientific method in the solution of specific marketing problems and in the conduct of general market research

studies. Topics considered include purposes achieved by market research and analysis; agencies for carrying on the work; sources of information; problems of research and analysis; methods of carrying on research and of analyzing information obtained; and the proper presentation of the results.

MATHEMATICS

EDWARD J. NOLAN, M.Ch.E., Co-Chairman

Mathematics 10. College Algebra.

The purpose of this course is to develop a mastery of the fundamental concepts of Algebra. It is a basic course intended for those who do not qualify for Mathematics 11. The principal topics are fundamental operations, factoring, fractions, exponents, radicals, graphing, linear and quadratic equations, and problem solving. (*This course carries no college credit.*)

Mathematics 11. Algebra and Trigonometry—Part 1.

Prerequisite, Mathematics 10, or a qualifying score for the Mathematics Achievement Test. 4 *credits*

Algebra and Trigonometry is an integrated course given in two parts. The elementary operations of Algebra are reviewed and new topics associated with Algebra and Trigonometry are discussed with the aim of providing a sound basis for future studies in mathematics. The topics included in Part 1 are the system of real numbers; functions; exponential and logarithmic functions; and trigonometric functions.

Mathematics 12. Algebra and Trigonometry—Part 2.

Prerequisite, Mathematics 11. 4 *credits*

The topics included in Part 2 of Algebra and Trigonometry are complex numbers; theory of equations; systems of equations; the binomial theorem; sequences; inverse functions; inverse trigonometric functions.

Mathematics 14. Introduction to Modern Algebra.

Prerequisite, Mathematics 25 4 *credits*

This course is designed to illustrate the conceptual basis of mathematics by use of the axiomatic method. Stress is placed upon the understanding of formal proofs of the theorems and the development of the student's ability to construct such proofs for himself. Although emphasis is placed primarily upon method, the selected topics are useful in preparing the student for further work in mathematics and physical science. The topics include Number Theory, Set and Group Theory, Vector Spaces and Elementary Field Theory.

MATHEMATICS 15.   SURVEY OF MATHEMATICS—PART 1.   4 *credits*

Foundations of arithmetic, algebra, geometry (Euclidean and Non-Euclidean), elementary concepts of the calculus, symbolic logic, linear programming and theory of games. A terminal course; science students or potential science students should not schedule this course. It will not give sufficient background for further courses in mathematics required of science students.

MATHEMATICS 16.   SURVEY OF MATHEMATICS—PART 2.   4 *credits*

Prerequisite, Mathematics 15.

Continuation of Mathematics 15.

MATHEMATICS 23.   ANALYTIC GEOMETRY AND CALCULUS—PART 1.

Prerequisite, Mathematics 12.   4 *credits*

This is the first of a series of three consecutive courses in Analytic Geometry and Calculus in which an integrated treatment is given to the following subjects: the basic concepts of Analytic Geometry; graphs of functions; basic concepts of Calculus; the derivative with applications to curve tracing; maxima and minima; velocity, acceleration and rates; differentials; approximate values; integration.

MATHEMATICS 24.   ANALYTIC GEOMETRY AND CALCULUS—PART 2.

Prerequisite, Mathematics 23.   4 *credits*

The topics considered in Part 2 of Analytic Geometry and Calculus are the integral as a summation method involving approximate and exact techniques; geometric and physical applications of the definite integral; an introduction to polar coordinates and conic sections; and the differentiation of trigonometric, logarithmic and exponential functions.

MATHEMATICS 25.   ANALYTIC GEOMETRY AND CALCULUS—PART 3.

Prerequisite, Mathematics 24.   4 *credits*

Mathematics 25 concludes the sequence in Analytic Geometry and Calculus. The topics discussed are vectors, the Law of the Mean, indeterminate forms, formal integration, trigonometric integrals and applications, partial fractions, surfaces, partial derivatives, multiple integrals, and infinite series.

MATHEMATICS 36.   ORDINARY DIFFERENTIAL EQUATIONS.

Prerequisite, Mathematics 25.   4 *credits*

It is the aim of this course to give an extended treatment of ordinary differential equations with applications to the physical sciences. The main topics covered are ordinary differential equations of the first order; linear differential equations with constant coefficients; simultaneous linear differential equations; linear differential equations with variable coefficients.

MATHEMATICS 40. VECTOR ANALYSIS.

Prerequisite, Mathematics 36.   *4 credits*

The algebra and calculus of vectors, line and surface integrals, divergence theorem, Stokes' Theorem, Green's Theorem.

MATHEMATICS 43. NUMERICAL ANALYSIS

Prerequisite, Mathematics 36   *4 credits*

Numerical techniques for the solution of algebraic and transcendental equations; methods for evaluating matrices and integrals and differential equations; linear transformations; difference equations.

MATHEMATICS 44. PROJECTIVE GEOMETRY

Prerequisite, Mathematics 36   *4 credits*

Central projection, homologies, involution, Paschal's and Brianchon theories.

MATHEMATICS 45. INTRODUCTION TO COMPLEX VARIABLES

Prerequisite, Mathematics 30 and 36.   *4 credits*

Topics include: the Cauchy-Riemann differential equations, Cauchy integral formulas and series expansion of analytic functions, and an introduction to conformal mapping, residue theory.

MATHEMATICS 46. PROBABILITY AND STATISTICS

Prerequisites, Mathematics 14 and 25.   *4 credits*

Probability and statistics based on set theory. Sample spaces binomial distribution, correlation, sampling theory, random variables.

MATHEMATICS 47. TOPICS IN APPLIED MATHEMATICS—PART 1

Prerequisite, Mathematics 36   *4 credits*

Fourier series and integrals. The Laplace transformation. Orthogonal functions. Techniques for the solution of the Laplace, wave and diffusion equations.

MATHEMATICS 48. TOPICS IN APPLIED MATHEMATICS—PART 2

Prerequisite, Mathematics 47   *4 credits*

Vector analysis; the theorems of Stokes, Gauss, and Green; vector calculus, line and surface integrals, orthogonal curvilinear coordinates; introduction to the functions of a complex variable, the Cauchy integral formula, analytic functions, singularities, Taylor's and Laurent's series. Residues, contour integration.

MATHEMATICS 49.   TOPICS IN APPLIED MATHEMATICS—PART 3

Prerequisite, Mathematics 48   4 *credits*

Special functions of mathematical physics; Bessel functions; hypergeometric functions; Legendre and Hermite polynomnials. Elliptic integrals.

MATHEMATICS 60.   COMPUTER PROGRAMMING

Prerequisite, Mathematics 36   4 *credits*

General description of the 1620 computer and peripheral equipment; types of assemblers; detailed description of Gotran and Fortran with Format languages; mathematical and business applications' laboratory exercises.

The complementary error function is the evening's topic for Mr. Edward Nolan's class in Applied Mathematics.

MODERN LANGUAGES

French

French 1. Elementary French. 4 *credits*

This course is designed to familiarize the student with the basic rules governing French grammar and phonetics through intensive practice in reading, writing, comprehending and speaking French.

French 2. Intermediate French.

Prerequisite, French 1. 4 *credits*

The study of basic French grammar is intensified and completed. The second part of the course consists of readings from selected modern authors designed to develop the student's ability to read and understand French.

French 5. Review Grammar and Composition. 4 *credits*

This course stresses grammatical review, exercises in composition and selected readings.

French 6. Intermediate Readings.

4 *credits*

Selected readings of intermediate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country.

German

German 1. Elementary German.

4 *credits*

The elementary course is designed to impart the basic rules governing German grammar and phonetics and to prepare the student for later mastery in the reading, writing, and speaking of the language.

German 2. Intermediate German.

Prerequisite, German 1. 4 *credits*

This course is a review of the fundamentals of grammar with emphasis on oral reading and exercises in composition.

German 5. Review Grammar and Composition.

4 *credits*

This course stresses grammatical review, exercises in composition, and selected readings.

German 6. Intermediate Readings.

4 *credits*

Selected readings of moderate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country.

Spanish

SPANISH 1. ELEMENTARY SPANISH.

4 credits

The elementary course is designed to impart the basic rules governing Spanish grammar and phonetics and to prepare the student for later mastery in the reading, writing, and speaking of the Spanish language.

SPANISH 2. INTERMEDIATE SPANISH.

Prerequisite, Spanish 1. *4 credits*

The intermediate course in Spanish provides a review of grammar with advanced readings and exercises in composition. Special emphasis is given to phonetics.

SPANISH 5. REVIEW GRAMMAR AND COMPOSITION.

4 credits

This course stresses grammatical review, exercises in composition and selected readings.

SPANISH 6. INTERMEDIATE READINGS.

4 credits

Selected readings of intermediate difficulty from writers of the nineteenth and twentieth centuries with a view to introducing the student to the literature and civilization of the country.

PHILOSOPHY

JOSEPH C. MIHALICH, Ph.D., *Chairman*

PHILOSOPHY 11. INTRODUCTION TO PHILOSOPHY AND LOGIC   *3 credits*

An introduction to the nature of philosophical reasoning and selected philosophical problems presented in an historical and doctrinal setting ranging from Plato to contemporary thinkers. An introduction to logic as the science of correct thinking as reflected in the processes of definition, construction of syllogisms and analysis of common fallacies.

PHILOSOPHY 12. CONTEMPORARY PHILOSOPHIES OF MAN   *3 credits*
Prerequisite, Philosophy 11.

An investigation of the nature and powers of man, the origin and destiny of the human soul and the nature of human knowledge, with emphasis both on the Aristotelian-Thomistic approach and contemporary variations.

PHILOSOPHY 13. PRINCIPLES AND PROBLEMS OF ETHICS   *3 credits*
Prerequisite, Philosophy 12.

An exposition of the principles governing the rightness and wrongness of human actions, along with an analysis of human happiness, the role of the natural moral law and the nature of virtue. Instruction in the application of ethical principles in the solution of problems in family, political, business, professional and international societies.

General Elective Courses in Philosophy

PHILOSOPHY 14. PHILOSOPHY OF SCIENCE

3 credits

An investigation of the relationship between philosophy and science from the standpoint of knowledge and method; philosophical problems common to the natural and social sciences. An historical survey will discuss the development of scientific method and the nature of scientific progress.

PHILOSOPHY 15. PHILOSOPHY OF COMMUNISM

3 credits

A study of dialectical materialism considered as the philosophical foundation of contemporary socialism and communism. The basic writings of Marx, Engels, Lenin and their immediate disciples will be analyzed, along with the works of the French and British socialists.

PHYSICS

RABAH A. SHAHBENDER, Ph.D., *Co-Chairman*

PHYSICS 11. GENERAL PHYSICS—PART 1.

Prerequisite, Mathematics 12.   *4 credits*

The general course in physics introduces the student to the fundamentals of the science. The topics considered in Part 1 in lecture and laboratory are mechanics and fluid mechanics.

PHYSICS 12. GENERAL PHYSICS—PART 2.

Prerequisite, Mathematics 23, Physics 11.   *4 credits*

The second part of general physics covers the topics of sound, electricity, and magnetism.

PHYSICS 13. GENERAL PHYSICS—PART 3.

Prerequisite, Mathematics 23, Physics 12.   *4 credits*

The third part of general physics includes the topics of heat, kinetic theory, optics, and introduction to modern physics.

PHYSICS 23. CIRCUIT THEORY—PART 1.

Prerequisites, Physics 13, and Mathematics 25.   *4 credits*

The purpose of the course is to develop the fundamentals of electricity and magnetism. The principal topics are electric fields, Gauss's Law, potential, capacitors, dielectrics, polarization, displacement, magnetic field. Ampere's Law, magnetization, induced emf, Maxwell's equations, inductance, D-C circuit analysis, transients, steady-state A-C circuits, reactance and impedance.

PHYSICS 24. CIRCUIT THEORY—PART 2.

Prerequisites, Physics 23, and Mathematics 36.   *4 credits*

The purpose of this course is to continue the development of basic circuit theory with emphasis on network behavior to sinusoidal forcing functions. The contents include resonance, network theorems, coupled circuits, simple filters, and the classical and Laplace transform treatment of linear transient circuits.

PHYSICS 35.   ELECTRONIC CIRCUITS—PART 1.

Prerequisites, Physics 24, and Mathematics 36.   *4 credits*

The course begins with a study of electron behavior in vacuum in the presence of electric and magnetic fields. It proceeds with an introduction to solid state physics with particular emphasis on band theory of solids and electron energy distributions leading to a study of thermionic emission and basic semiconductor physics. Vacuum diodes are analyzed and the physics of PN junctions is covered in detail. The electrical properties of semi-conductor diodes are derived from the physical concepts. Some simple circuits that utilize these devices for rectification or gain are also discussed.

PHYSICS 36.   ELECTRONIC CIRCUITS—PART 2.

Prerequisites, Physics 35, and Mathematics 47.   *4 credits*

This course serves as an introduction to active devices and networks. Vacuum triodes and multielement tubes are described, equivalent circuits are developed and basic amplifier concepts are introduced. The physical principles of transistor operation are described and an equivalent circuit is derived. Other topics covered are: transistor biasing and temperature compensation, basic amplifier configurations, hybrid equivalent circuits, frequency and transient response. The course also covers video and tuned amplifier analysis and design.

PHYSICS 37.   ELECTRONIC CIRCUITS—PART 3.

Prerequisites, Physics 36, and Mathematics 47.   *4 credits*

This course constitutes a first treatment of the classic forms of modulation and detection and some of the critical types of associated circuitry. A.M., S.S.B., F.M., phase modulation and simple forms of pulse modulation are analyzed. The circuit requirements for the functional design of modulators, detectors, and oscillators are studied with special emphasis on transistor circuits and the use of feedback to improve stability.

PHYSICS 42.   PULSE CIRCUITS.

Prerequisites. Physics 37.   *4 credits*

The purpose of the course is to present a logical, unified approach to the analysis and design of those circuits where the nonlinearity of the vacuum tube or transistor is significant and the waveforms produced or controlled are for the most part nonsinusoidal. Topics covered include linear and nonlinear wave shaping circuits, diode switching and control gates, logic, circuits and logical design, linear sweep circuits, multivibrations, and other pulse and digital circuits.

Physics 48.   Field Theory.

Prerequisites, Physics 37, and Mathematics 48.   4 *credits*

The course in Field Theory is concerned primarily with the development of the theory of electric waves. The topics considered are waves in dielectric and conducting media, and an introduction to transmission lines, wave guides and antennas.

Physics 49.   Circuit Theory—Part 3.

Prerequisites, Physics 37, and Mathematics 48.   4 *credits*

The scope of this course is network analysis and the rudiments of network synthesis for both deterministic and stochastic inputs. Topics which are included are transform methods of computing network responses, pole-zero representation, the synthesis of simple two and four terminal networks, probability theory, characterization of stochastic processes and the response of networks to random inputs.

Physics 51.   Modern Physics.

Prerequisites, Physics 48 and Mathematics 48.   4 *credits*

The course reviews Newton's form of the equations of motion and progresses to a discussion of Keplerian motion, rotating and moving coordinate systems, special relativity, central forces, Lagrange's Method and Hamilton's Principle. These topics are applied to assemblies of particles. Derivation of the Fermi-Dirac distribution is presented. The motion of electrons around Nuclei and properties of Nuclei are studied. The structure of the periodic table. atomic spectra, and physical properties of solids are discussed.

Physics 52.   Digital Circuits

Prerequisite, Physics 42.   4 *credits*

The fundamentals of number systems are presented and emphasis is placed on binary representations and binary arithmetic; binary codes are developed with a strong geometric flavor. Switching circuits are analyzed with particular reference to the AND-OR-NOT and NAND-NOR systems of logic, which are of primary engineering and theoretical importance; Boolean algebras are introduced. The rationale of combinational circuit synthesis is given in terms of the AND-OR-NOT system of logic, although certain extensions are possible; minimization of single- and multiple-output, two-level networks of AND and OR gates with free inversion is accomplished by several independent methods.

POLITICAL SCIENCE

ROBERT J. COURTNEY, Ph.D., *Chairman*

POLITICAL SCIENCE 1.   THE SCIENCE OF GOVERNMENT.   4 *credits*

This course is designed to give the student an appreciation of the principles, theories, development and practical workings of the major modern governments. The content of the course includes a consideration of the theory and elements of the state; a comparison of the governments of Great Britain, France, the United States and Russia; a treatment of revolutions, constitutions, federations, suffrage, the party system, and citizenship; a discussion of the legislative, executive, judicial and administrative branches of the major governments; and involvement in international problems.

POLITICAL SCIENCE 2.   AMERICAN FEDERAL GOVERNMENT.   4 *credits*

This course provides a basic understanding of the organization, operation and function of the Federal Government of the United States. The principal topics considered are the constitutional basis of the Federal Government, the rights of the people, the political processes, and the organization, powers and operation of the various branches of the government.

POLITICAL SCIENCE 3.   GEOPOLITICS.   4 *credits*

This course is a survey of the geographic factors influencing the real and potential economic and political development of nations.

POLITICAL SCIENCE 5.   COMPARATIVE GOVERNMENT I.   4 *credits*

A comparative analysis of the constitutional principles and governmental organizations of the major European powers.

POLITICAL SCIENCE 6.   COMPARATIVE GOVERNMENT II.   4 *credits*

An analysis is made of the basic patterns and major factors underlying international politics. Consideration is given to current international problems.

POLITICAL SCIENCE 7.   MODERN POLITICAL THOUGHT.   4 *credits*

This course is a consideration of major trends in political philosophy from the 18th century to the present.

PSYCHOLOGY

VICTOR D. BROOKS, Ed.D., *Co-Chairman*

Psychology 1. Psychology of Adjustment. 4 *credits*

This course has the threefold purpose of providing the student with an understanding of modern psychological principles, of helping him to become more effective in his social relationships, and of aiding him in evaluating his own personal patterns of behavior. The course deals successively with the factors that determine human behavior; the measurement of intelligence; the development of feelings of inferiority in normal individuals; and the most recent findings on the etiology, symptoms and treatment of abnormal behavior evidenced in neurotics, psychotics, alcoholics, and other psychological deviations.

Psychology 2. Personnel Psychology.

4 *credits*

The purpose of this course is to introduce students to the methods and empirical findings of personnel psychology. The course covers the use of psychological techniques practiced in the recruiting, interviewing, testing, selecting and placing of employees. The student will receive intensive training in the use of psychological tests for measuring intelligence, aptitude, interest and personality.

Psychology 3. General Psychology.

4 *credits*

An introduction to the facts and theories of the science of psychology. The nature of the human person and his behavior are studied, insofar as these are known from scientific observation. The nature, scope, and methods of modern scientific psychology, the biological and social foundations of behavior, motivation, and emotions constitute the subject matter of the first semester.

Psychology 4. Abnormal Psychology.

Prerequisite, Psychology 1 or 3. 3 *credits*

An introductory course surveying the principal forms of the major and minor mental disorders, with emphasis on the causes, symptoms, course and treatment. An analysis of the over-all problem of mental illness and a study of certain borderline personality and behavioral patterns and other forms of psychological deviation.

Psychology 5. Child and Adolescent Psychology.

Prerequisite, Psychology 1 or 3. 4 *credits*

A survey of the development of children from birth through adolescence. Aspects of physical, intellectual, motor and personality development will be considered. The etiology and modification of deviant behavior in the various age groups will be discussed.

PSYCHOLOGY 6. INTERVIEWING AND COUNSELING TECHNIQUES.

Prerequisite, Psychology 3.   3 *credits*

A presentation of interviewing as a tool of communication with accent on the personnel and social work areas. A study of the skills involved from the casual meeting to the intensive interrogation. A survey of counseling methods.

SOCIOLOGY

SOCIOLOGY 11. INTRODUCTORY SOCIOLOGY.

4 *credits*

The purpose of this course is to give the student a broad understanding of human behavior as it manifests itself in social relationships, social groups and society. The course includes an analysis of the structure and function of social organization, culture, socialization, social groups, social stratification, social institutions, collective behavior, and the community.

SOCIOLOGY 12. INDUSTRIAL SOCIOLOGY.

3 *credits*

This course is concerned with the study of the structural-functional aspects of industry and of trade unionism, and with the interrelationship between the industrial society and the larger social order. Some of the topics treated are industry and its relationship to the community, to the family, to social classes, minority groups and government.

SOCIOLOGY 13. SOCIAL DEVIANCY AND SOCIAL DISORGANIZATION   3 *credits*

Significant social problems of American society in the areas of crime, delinquency, penology, race, ethnicity, mental health, population, the family and community disorganization will be discussed.

SOCIOLOGY 14. MARRIAGE AND THE FAMILY.

4 *credits*

A study of the factors which make for successful family life.

SOCIOLOGY 15. JUVENILE DELINQUENCY.   3 *credits*

Case History analyses, with a view to providing a practical inquiry into causes, therapeutic measures and treatment resources.

SOCIOLOGY 16. CRIMINOLOGY.

Prerequisites, Sociology 11.   3 *credits*

A consideration of delinquency, the machinery of justice and the treatment of criminals.

STATISTICS

CASIMIR CIESLA, Dr. Rer. Pol., *Chairman*

Statistics 15. Business Statistics—Part 1   *4 credits*

General introduction to the basic ideas and procedures of statistical analysis with special emphasis on their application to economics and business. Methods of statistical description, index numbers and time series analyses.

Statistics 21. Business Statistics—Part 2   *4 credits*

Prerequisite, Statistics 15.

Foundations of statistical inference as applied to decision-making on the basis of limited information. Basic concepts of probability, probability distributions, estimation and test of hypotheses, regression and correlation techniques.

Statistics 31. Statistical Analysis for Management.   *4 credits*

Training in statistical inference as a tool for use in management decision making is the principal objective of this course. The following topics are treated: the basic theory of probability and probability distributions; statistical inference about means and proportions; analysis of variance and industrial experimentation; multiple regression and correlation analysis; some problems of operations research.

Father Francis McDermott celebrates
Mass for Evening Division students
each Monday and Wednesday at 6:25 P.M.
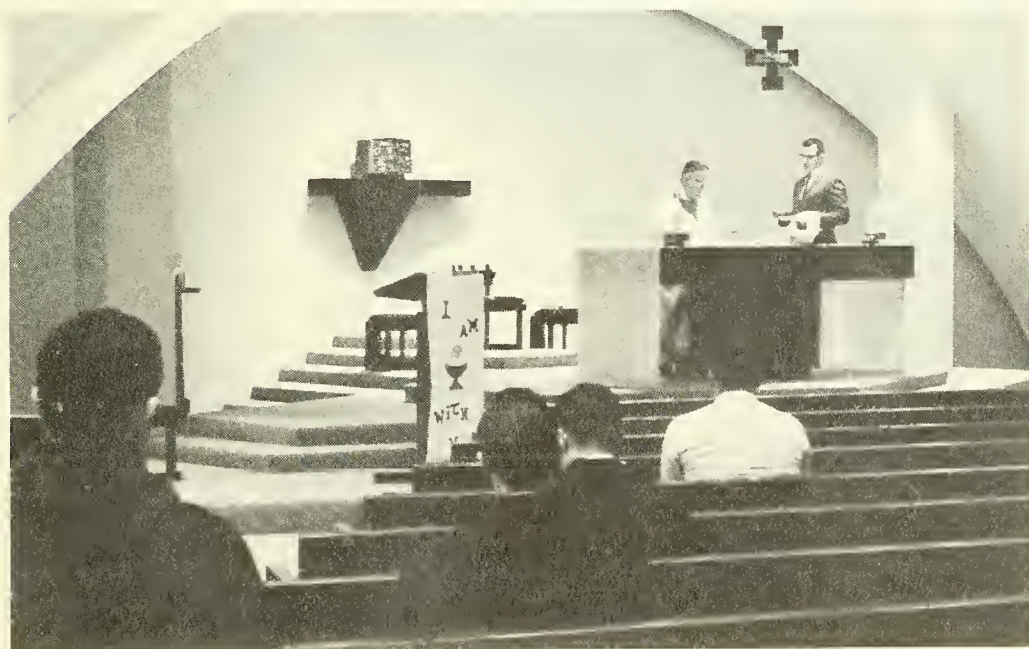
THEOLOGY

REVEREND ROBERT A. MORRISON, Ph.D., Co-Chairman

THEOLOGY 1.   THEOLOGY OF THE BIBLE   3 *credits*

A presentation of the Person and redemptive mission of Christ through a study of the background, characteristics, and contents of the Gospels. The Incarnation is treated from the historic and dogmatic viewpoints. The approach includes a survey of ancient Israel's history, religion, and hope for a future Savior. Inspiration, inerrancy, and modern biblical criticism of the Old and New Testament, are explained, as well as the various literary forms.

THEOLOGY 2.   THEOLOGY OF THE CHURCH.   3 *credits*

The role of the Church in modern society.

The common bond of Christianity is shown by studying the person of Christ and the historicity of the gospels. A study of the nature and mission of the Church is made with special emphasis on the Second Vatican Council's *Constitution on the Church* and the *Decree on Ecumenism*. Stress is laid on the Mystical Body, and the role of the laity as the People of God.

THEOLOGY 3.   THEOLOGY OF THE SACRAMENTS   3 *credits*

The Church is viewed as the People of God and the Sacrament of the risen Christ. The Christian's participation in the Divine Trinitarian life through grace is demonstrated. The sacraments are seen in their ecclesial dimension as the saving acts of the living Christ; emphasis is placed on the Christian initiation: Baptism, Confirmation, and the Eucharist, as seen in the Constitutions of Vatican Council II.

Rev. Regis Ryan, O.P., S.T.L.;
College Chaplain

ADMINISTRATION

BOARD OF MANAGERS

Brother James B. Carey. F.S.C., M.A., *Chairman*

Brother Daniel Bernian, F.S.C., Ph.D., LL.D., *President*

Brother Gavin Paul, F.S.C., Ph.D.

Brother James Kaiser, F.S.C., S.T.D.

Brother James Conaghan, F.S.C., M.A., LL.D.

Brother Edwin Anselm, F.S.C., M.A., LL.D.

Brother Eingan Francis, F.S.C., M.A., Ped. D.

Rt. Rev. Msgr. Thomas F. McNally, P.A., LL.D.

John McShain, Sc.D.

Joseph Schmitz, Jr., Sc.D.

H. Blake Hayman, M.D., LL.D.

John F. Connelly, LL.D.

Joseph B. Quinn, Esq., LL.D., *Legal Advisor*

Joseph J. Sprissler, B.A., D.C.S., *Financial Advisor*

EXECUTIVE COMMITTEE: Brother James B. Carey, F.S.C., *Chairman*; Brother Daniel Bernian, F.S.C.; Rt. Rev. Msgr. Thomas F. McNally; John McShain; Brother Edwin Anselm, F.S.C.; Brother Gavin Paul, F.S.C.; Brother James Kaiser, F.S.C., *Secretary*.

FINANCE COMMITTEE: Brother James B. Carey, F.S.C., *Chairman*; Brother Daniel Bernian, F.S.C.; Brother James Conaghan, F.S.C.; H. Blake Hayman; Brother Eingan Francis, F.S.C.; Brother James Kaiser, F.S.C., *Secretary*.

COMMITTEE ON NOMINATIONS: Brother James B. Carey, F.S.C., *Chairman*; Brother Daniel Bernian, F.S.C.; Joseph Schmitz, Jr.; John F. Connelly; Brother James Kaiser, F.S.C., *Secretary*.

OFFICERS OF THE CORPORATION

Brother James B. Carey, F.S.C.............................*Chairman of the Board*

Brother Daniel Bernian, F.S.C.............................*President, Treasurer*

Brother Gavin Paul, F.S.C.............................*Vice-President*

Brother James Kaiser, F.S.C.............................*Secretary*

92

COLLEGE ADMINISTRATION

Brother Daniel Bernian, F.S.C., Ph.D., LL.D.................................President

Academic Administration

Brother Daniel Burke, F.S.C., Ph.D..............Vice-President Academic Affairs
Brother Robert Doran, F.S.C., M.A...................Dean of Arts and Sciences
Brother David Pendergast, F.S.C., M.A......Dean of Business Administration
Brother Emery C. Mollenhauer, F.S.C., Ph.D.
                               Dean of the Evening Division
Brother F. Christopher, F.S.C., Ph.D...................Director of Admissions
Brother Thomas Warner, F.S.C., B.S. in L.S.................Director of the Library
Brother E. Patrick Ellis, F.S.C., Ph.D..........................Director, Honors Program
Brother Thomas J. Donaghy, F.S.C., Ph.D..............Director, Summer Sessions
Brother G. Joseph Downing, F.S.C., Ped.D...........................Registrar
Margaret Keily Lennon, B.A.................................Associate Registrar
David J. Smith, B.S..............................Assistant Dean, Evening Division
John J. King, B.A....................Assistant Director of Admissions, Evening Division
James F. Reilly, B.A.....................Assistant to the Director of Admissions
Michael K. Bucsek, M.A.................................Director, "La Salle in Europe"

Student Personnel Administration

Brother Gavin Paul, F.S.C., Ph.D......................Vice-President, Student Affairs
Brother G. John Owens, F.S.C., Ped.D................................Dean of Men
Reverend Regis Ryan, O.P., S.T.L.................................Chaplain
Thomas N. McCarthy, Ph.D................Director of Counseling Center
Brother Martin Stark, F.S.C., M.A..................Financial Aid Director
Brother E. Adrian Leonard, F.S.C., M.A..................Director of Housing
John H. Veen, B.A........................Director of College Union
James J. Henry, M.A., LL.D..................Director of Athletics
Thomas McTear, M.D., Sc.D................................College Physician
Ruth Serchak, R.N.................................Attending Nurse

Business Administration

Joseph J. Sprissler, B.A., D.C.S.................Vice-President, Business Affairs
Brother Edward John, F.S.C., M.A., D.C.S.........................Bursar
David C. Fleming, B.S..........................Assistant Comptroller
Donald Masser.................Superintendent of Buildings and Grounds
William Hall..........................Director of Food Services
Francis deSales Kerr, B.S.................Manager of Campus Store

Public Relations Administration

John L. McCloskey, M.B.A.................Vice-President, Public Relations
Brother James Conaghan, F.S.C., M.A., LL.D.
                      College Representative, Special Affairs
Ralph Howard, B.A..........................Director of News Bureau
Robert Lyons, Jr., B.A..........................News Bureau Assistant
James J. McDonald, B.A........................Director of Alumni
L. Thomas Reifsteck, M.B.A..................Director of Placement
John L. McCloskey, M.B.A.................Director of Development
Joseph J. Sgro, B.S..................Assistant Director of Development

ADMINISTRATION OF THE EVENING DIVISION

Brother Emery C. Mollenhauer, F.S.C., M.A., Ph.D...................................Dean
David J. Smith, B.S...Registrar, Assistant Dean
John J. King, B.A...Assistant Director of Admissions

COMMITTEES OF THE ADMINISTRATION AND FACULTY

THE COLLEGE COUNCIL: Brother Daniel Bernian, *Chairman;* Brother Daniel Burke; Brother Gavin Paul; Dr. Joseph Sprissler; Mr. John McCloskey; Brother Robert Doran; Brother David Pendergast; Brother Emery C. Mollenhauer; (Dr. Robert Courtney, Mr. Charles Halpin, Dr. E. Russell Naughton); Mrs. Margaret Lennon, *Secretary.*

EVENING DIVISION ADMISSIONS: Brother Emery C. Mollenhauer, *Chairman;* Mr. David Smith, Mr. John King.

EVENING DIVISION ACADEMIC AFFAIRS: Brother Emery C. Mollenhauer, *Chairman;* Dr. Victor Brooks; Mr. Joseph Crowley; Mr. Joseph Markmann; Dr. Joseph Mooney; Mr. Edward Nolan; Mr. Robert Rowland; Dr. Rabah Shahbender.

AWARDS COMMITTEE: Brother Emery C. Mollenhauer, *Chairman;* Mr. David Smith; and three members of faculty and/or student body, dependent on nature of awards.

STUDENT AFFAIRS: Brother Emery C. Mollenhauer, *Chairman;* President of Student Congress; President of the Senior Class; Presidents of three student organizations.

FACULTY OF THE EVENING DIVISION

Arthur A. Allen...Mathematics
    B.S., M.E., Drexel Institute of Technology
    M.Ed., Temple University

Carl J. Allen...Philosophy
    B.A., Colorado College
    M.A., University of Notre Dame

Robert A. Almeder...Philosophy
    A.B., St. Bonaventure University
    M.A., Boston College
    Ph.D., University of Pennsylvania

Juan J. Amodei..Physics
    B.S. in E.E., Case Institute of Technology
    M.S. in E.E., University of Pennsylvania

Austin J. App...English
    B.A., St. Francis Seminary
    M.A., Ph.D., Catholic University of America

Joseph F. Armstrong..Accounting
     B.S., La Salle College
     M.S., Temple University

Edward J. Bader..Accounting
     B.S., La Salle College
     M.A., Temple University

Max Barth..Chemistry
     B.A., Ph.D., New York University

William C. Bergmann..Industry
     B.S., La Salle College
     M.B.A., University of Pennsylvania

Joseph J. Bernier..Psychology
     B.A., Juniata College
     M.Ed., Rutgers University

William J. Binkowski..History
     B.A., La Salle College
     M.A., University of Pennsylvania

Bernhardt Blumenthal..German
     B.A., La Salle College
     M.A., Northwestern University
     Ph.D., Princeton University

Ronald Bohr..Sociology
     B.A., Wagner Lutheran College
     B.D., Lutheran Theological Seminary
     M.A., Ph.D., State University of New York at Buffalo

Richard P. Boudreau..French
     B.A., Seton Hall University
     M.A., Ph.D., Princeton University

Lawrence G. Bowman..English
     B.A., La Salle College

George J. Brookes, Jr..Economics
     B.S., La Salle College
     M.B.A., Drexel Institute of Technology

Victor D. Brooks..Psychology
     B.S. in Ed., University of Pennsylvania
     M.Ed., Ed.D., Temple University

George H. Brown..English
     B.S.,M.S., University of Pennsylvania

Peter R. Buechler..Chemistry
     B.S., Fordham University
     M.S., Denver University
     Ph.D., University of Cincinnati

Martin L. Burke..Business Law
     B.S., La Salle College
     LL.B., Temple University

Cesar Bustos-Videla..History
     B.A., M.A., George Washington University
     Ph.D., Georgetown University

Joseph P. Cairo..Economics
     B.A., La Salle College
     M.A., University of Pennsylvania

Thomas P. Callan, Jr..Chemistry
     B.A., La Salle College

Peter M. Campanella..Business Law
     B.S., LL.B., Temple University

JOSEPH M. CARRIO..SPANISH
    B.A.S., University of Havana

JOHN A. CARROLL..ENGLISH
    B.A., La Salle College
    M.S., Temple University

WILLIAM E. CASHIN..PSYCHOLOGY
    A.B., M.A., Catholic University of America

THERESA A. CHLETCOS..EDUCATION
    B.S., M.Ed., Temple University

JOHN H. CHRISTIE..INSURANCE
    B.S., La Salle College

CASIMIR CIESLA..STATISTICS
    Dr. Rer. Pol., University of Innsbruck

WALTER CLAVAN..CHEMISTRY
    B.S., M.S., Ph.D., University of Pennsylvania

JOHN A. CLEMENT, JR..BUSINESS LAW
    B.A., La Salle College
    LL.B., Temple University

ROY A. CLOUSER..PHILOSOPHY
    A.B., Gordon College
    M.A., University of Pennsylvania

THOMAS M. COFFEE..SOCIOLOGY
    A.B., St. Benedict's College
    M.A., Emory University
    Ph.D., University of Notre Dame

GERALD F. CONNELL..MATHEMATICS
    B.S. in Ch. E., Villanova University

BROTHER DAMIAN CONNELLY, F.S.C..MATHEMATICS
    B.A., M.S., Ph.D., Catholic University of America
    M.A., University of Notre Dame

MICHAEL F. CONNORS..HISTORY
    B.A., La Salle College
    M.A., University of Pennsylvania

ALFRED E. CORBETT..STATISTICS
    B.S., Rutgers University

ROBERT J. COURTNEY..POLITICAL SCIENCE
    B.A., La Salle College
    M.A., Niagara University
    Ph.D., University of Pennsylvania

JOSEPH E. CROWLEY..INDUSTRY
    B.A., La Salle College
    LL.B., Temple University

JAMES J. CUNNANE..ACCOUNTING
    B.S., St. Joseph's College
    M.B.A. Temple University

J. SANDOR CZIRAKY..HISTORY
    B.A., La Salle College
    M.A., University of Notre Dame
    M.S. in L.S., Drexel Institue of Technology
    Ph.D., University of Pennsylvania

GERD H. DAHL..CHEMISTRY
    B.S., Muskingum College
    Ph.D., Iowa State University
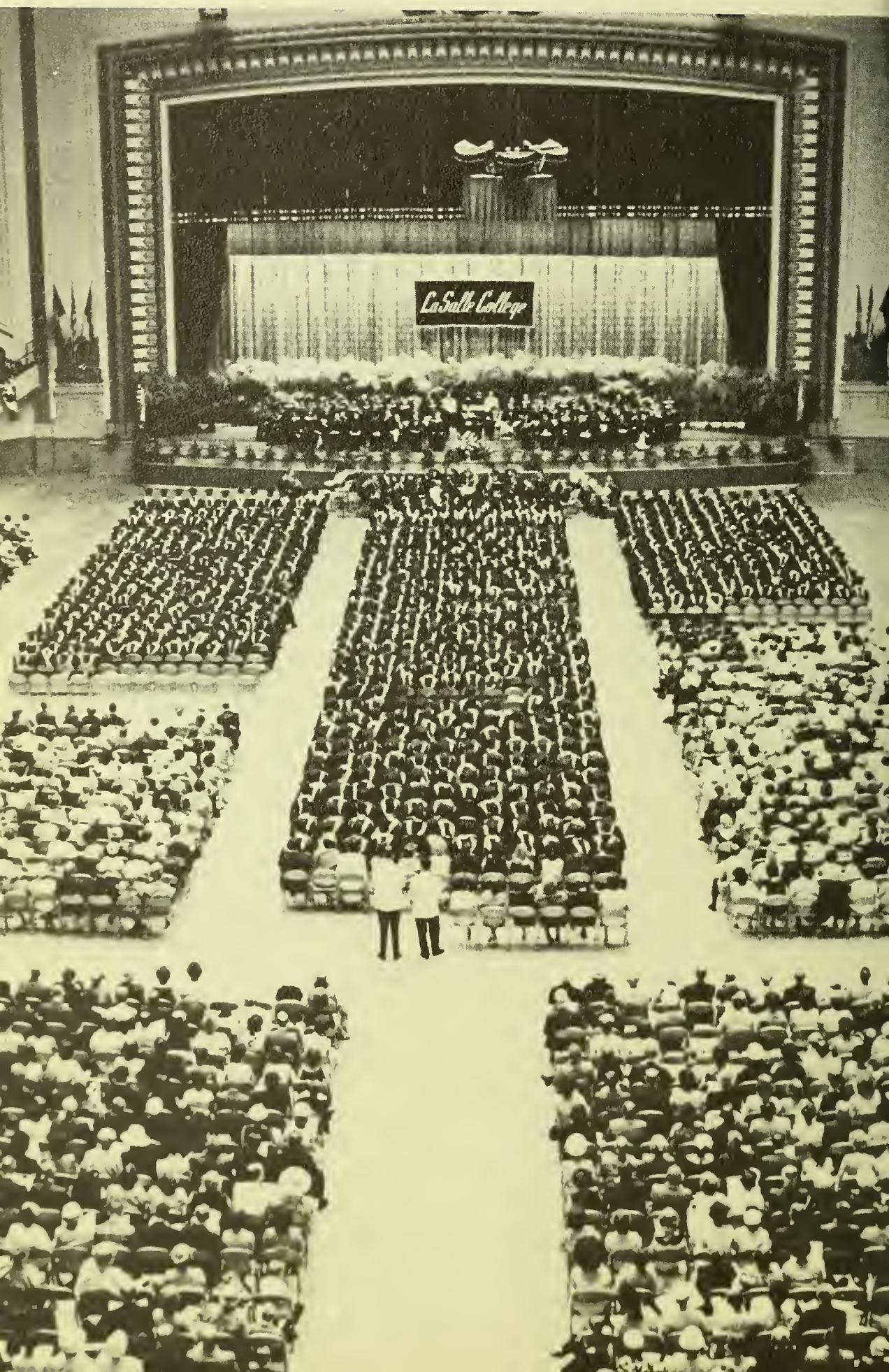
JOHN J. DALL, JR...ECONOMICS
    B.S., M.A., Seton Hall University

BRIAN P. DAMIANI..HISTORY
    B.A., La Salle College
    M.A., University of Delaware

ANDREW J. D'ARCY..MATHEMATICS
    A.B., Villanova University
    M.A., University of Pennsylvania

MICHAEL A. DEANGELIS...ACCOUNTING
    B.S., M.S., Temple University

REV. JOHN DEMAYO...THEOLOGY
    B.A., M.A., St. Charles Seminary

JAMES J. DEVLIN..ENGLISH
    A.B., La Salle College
    M.A., Ph.D., University of Pennsylvania

GABRIEL J. DiFEDERICO...PHILOSOPHY
    A.B., St. Charles Seminary
    M.A., Villanova University

EDWARD J. DOMINESKE...BUSINESS LAW
    B.A., LL.B., Cornell University

UGO DONINI..HISTORY
    B.A., M.A., University of Pennsylvania

FRANCIS X. DONOHOE..ENGLISH
    B.A., La Salle College

ALBERT J. DORLEY, JR..HISTORY
    B.A., La Salle College
    M.A., Niagara University

WILLIAM D. DOYLE...PHYSICS
    B.S. and M.S., Boston College
    Ph.D., Temple University

JOHN M. DRONSON..ECONOMICS
    B.S., La Salle College
    M.A., Temple University

FRANCIS A. DUFFY..ENGLISH
    B.A., La Salle College

JOHN A. DUFFY, JR..ECONOMICS
    B.A., La Salle College

JAMES P. DWYER..MARKETING
    B.A., Duquesne University

THOMAS F. DWYER..PHYSICS
    B.S., Loyola College
    M.S., Ph.D., Princeton University

SIDNEY N. EINHORN..MATHEMATICS
    B.S. in E.E., Drexel Institute of Technology
    M.S. in E.E., University of Pennsylvania

WARREN EISENBERG..MATHEMATICS
    B.S., Pennsylvania State University
    M.A., Michigan State University

CHARLES H. EISENGREIN..INDUSTRY
    B.C.E., New York University
    M.S. in I.E., Columbia University

Shirley Ann Eriksson..English
    A.B., University of Pennsylvania
    M.A., University of Connecticut

Gino T. Fala..Mathematics
    B.S., West Chester State College
    M.A., Villanova University

James C. Fallon..Philosophy
    B.S., St. Joseph's College

Joseph F. Farnan..Industry
    B.S., La Salle College

Peter L. Feledick..History
    B.A., La Salle College
    M.A., Marquette University

Eugene J. Fitzgerald..Philosophy
    B.A., La Salle College
    M.A., Fordham University

Richard E. Fitzgerald..English
    B.A., Georgetown University
    M.F.A., State University of Iowa

William E. Flannery..Physics
    B.S., La Salle College
    M.S.E., University of Pennsylvania

Joseph F. Flubacher..Economics
    B.A., La Salle College
    M.A., Ed.D., Temple University

Charles J. Flynn..Sociology
    B.S., La Salle College

R. Scott Fraser..Mathematics
    A.B., University of Pennsylvania
    LL.B., Temple University
    M.S. in E.E., Drexel Institute of Technology

William B. Fynes..Industry
    B.S., La Salle College
    M.B.A., Temple University

Francis B. Galinski..Accounting
    B.S., Bloomsburg State .College

Reverend John P. Gallagher..Theology
    B.A., M.A., St. Charles Seminary
    M.A., Villanova
    Ph.D., University of Pennsylvania

Leo A. Gallagher..Industry
    B.S., Drexel Institute of Technology

Kathleen Gavigan..History
    A.B., Chestnut Hill College
    M.A., Duquesne University

Richard T. Geruson..Economics
    A.B., Fordham University
    M.A., New York University

Edward E. Gibbons..English
    B.A., Howard College
    M.A., University of Kentucky

George E. Gibbons..Mathematics
    B.S. in E.E., Villanova University
    M.S. in E.E., Drexel Institute of Technology

HARRY J. GIBBONS..ACCOUNTING
    B.S., La Salle College

JOHN F. GIBBONS..PHILOSOPHY
    B.A., S.T.B., Ph.L., Loyola University

BURTON G. GLAZER..PHYSICS
    B.S., M.S., Columbia University

FREDERICK GOEHRINGER, 3RD..INDUSTRY
    B.A., M.B.A., University of Pennsylvania

FRANK X. GOELZ..INDUSTRY
    B.S., University of Pittsburgh
    M.A., University of Pennsylvania

ALECK GOLDBERG..PHYSICS
    B.A., M.A., Temple University

PHILIP GOLDSTEIN..PHYSICS
    B.S., City College of New York
    M.S., Ph.D., Carnegie Institute of Technology

GEORGE J. GRADEL..CHEMISTRY
    B.A., La Salle College
    M.S., Drexel Institute of Technology

JOHN J. GRADY..INDUSTRY
    B.S., St. Joseph's College

JOHN S. GRADY..ECONOMICS
    A.B., University of Notre Dame

SYLVAN H. GREENE..MATHEMATICS
    B.S., Temple University
    M.A., University of Pennsylvania

FRANCIS V. GRIFFIN..ENGLISH
    B.A., La Salle College
    M.A., Temple University

JEAN D. GROHMAN..ENGLISH
    B.A., Westminster College
    M.A., M.Ed., University of Pennsylvania

CHARLES J. HABERSTROH, JR..ENGLISH
    B.S., St. Joseph's College
    M.A., Villanova University

PATRICIA B. HABERSTROH..ENGLISH
    B.A., Cabrini College
    M.A., Villanova University

CHARLES A. J. HALPIN, JR..INDUSTRY
    B.S., La Salle College
    M.A., University of Pennsylvania
    LL.B., Temple University

E. FRANCIS HANLON..ENGLISH
    B.A., St. Joseph's College

HOWARD L. HANNUM..ENGLISH
    B.A., La Salle College
    M.A., Ph.D., University of Pennsylvania

JOHN L. HARBISON..HISTORY
    B.S., M.A., Boston College

ARTHUR L. HENNESSY..HISTORY
    B.A., Catholic University of America
    M.A., Harvard University
    Ph.D., Georgetown University

Reverend Joseph A. Henry..Theology
     B.A., St. Charles Seminary
     M.A., Villanova University
     J.C.D., Catholic University

John J. Hernan..English
     B.A., Duquesne University
     M.A., Ohio University

James F. Higgins..Accounting
     B.S., St. Joseph's College
     M.B.A., Temple University

Kenneth L. Hill..Political Science
     B.A., Hofstra University
     M.A., New York University

Charles E. Hofmann, III..Mathematics
     B.A., M.A., Villanova University

William J. Hollister..Finance
     B.S., La Salle College

Thomas J. Horan..English
     B.A., La Salle College

James F. Hubbert..Accounting
     B.S., M.B.A., Drexel Institute of Technology

Herman Jacobowitz..Physics
     B.S.E.E., City College of New York
     M.S.E.E., Massachusetts Institute of Technology

Allan S. Janik..Philosophy
     A.B., St. Anselm's College
     M.A., Villanova University

James P. Jewett..Mathematics
     M.A., Ph.D., University of Chicago

Walter J. Kaiser, C.P.A..Accounting
     B.S., La Salle College

Joseph A. Kane..Economics
     B.S., B.A., La Salle College
     M.S., St. Louis University

John J. Keenan..English
     B.A., La Salle College
     M.A., University of Pennsylvania

Charles V. Kelly..English
     B.A., St Joseph's College
     M.A., University of Pennsylvania

Brother David Kelly, F.S.C..English
     B.A., Catholic University of America
     M.A., Ph.D., University of Pennsylvania

John J. King..English
     B.A., La Salle College

Norman Kline..English
     B.S., M.A., Temple University

Claude F. Koch..English
     B.S., La Salle College
     M.A., University of Florida

Albert Koenig..Industry
     B.S., University of Pennsylvania
     M.B.A., Temple University

SISTER MARY OF OUR LADY OF CHARITY KOHL..SOCIOLOGY
    B.A., Immaculata College
    M.Ps., University of Ottawa

MIROSLAV LABUNKA..HISTORY
    B.A., Ukranian Catholic Seminary
    M.A., Catholic University of Louvain, Belgium
    M.S., Ph.D., Columbia University

BOGOLJUB LALEVIC..PHYSICS
    B.S., University of Belgrade
    M.A., Princeton University
    Ph.D., Temple University

EUGENE LASHCHYK..PHILOSOPHY
    B.A., M.A., Community College, New York

ROBERT F. LAVELLE..BUSINESS LAW
    B.A., University of Scranton
    LL.B., Georgetown University

HENRY J. LOPEZ, C.P.A..ACCOUNTING
    B.S., Villanova University

JACK LUTZ..EDUCATION
    B.A., M.A., Temple University

DENNIS J. McCARTHY..HISTORY
    B.A., La Salle College
    M.A., Fordham University

THOMAS J. McCAULEY..ENGLISH
    B.A., La Salle College

GEORGE M. McCLANCY..PHILOSOPHY
    B.A., M.A., Catholic University

CHARLES D. McCLOSKEY..ENGLISH
    B.A., La Salle College
    M.F.A., Catholic University of America

REVEREND FRANCIS A. McDERMOTT..ENGLISH
    B.A., St. Charles Seminary

MARY McGLYNN..ENGLISH
    B.A., Immaculata College

JAMES J. McKENNA, JR..SOCIOLOGY
    B.A., La Salle College
    M.A., University of Notre Dame

FRANK E. McMANUS..INDUSTRY
    B.S., La Salle College
    M.B.A., Drexel Institute of Technology

BRUCE V. MacLEOD..INDUSTRY
    B.A., University of Maine
    M.I.A., Yale University

WILLIAM JAMES MAGUIRE..HISTORY
    A.B., St. Charles Seminary

John F. Malloy, Jr..Philosophy
    B.S., St. Joseph's College
    M.A., University of Scranton

John J. Malone..English
    B.A., La Salle College
    M.Ed., Temple University

Joseph G. Markmann, C.P.A...Accounting
    B.S., La Salle College

Thomas R. Mayhew...Physics
    B.E.E., University of Florida
    M.S.E.E., University of Pennsylvania

Ralph P. Mersiowsky...Industry
    B.S., Drexel Institute of Technology

Joseph C. Mihalich..Philosophy
    B.A., M.A., Duquesne University
    Ph.D., Georgetown University

Charles A. Moench...Mathematics
    B.S., M.A., Villanova University

John T. Mooney..Mathematics
    B.S., University of Scranton
    B.A., La Salle College

Joseph P. Mooney...Economics
    B.A., La Salle College
    M.A., Ph.D., University of Pennsylvania

John J. Moore..English
    B.A., Georgetown University
    M.A., Fordham University

Joseph L. Moran..Spanish
    B.A., La Salle College
    M.A., Middlebury College

John P. Morrissey..Industry
    A.B., Boston University

Reverend Robert A. Morrison..Theology
    B.A., St. Charles Seminary
    M.A., Villanova University
    Ph.D., Fordham University

Paul M. Moser...Physics
    B.A., La Salle College
    M.S., University of Delaware

Walter F. Mruk...Physics
    B.S., Carnegie Technical Institute of Technology
    M.S., University of Pittsburgh
    Ph.D., University of Tennessee

Edward M. Murawski..Philosophy
    B.A., La Salle College

Reverend Joseph T. Murphy...Theology
    B.A., St. Charles Seminary
    M.A., Villanova University

Louis E. Murphy..English
    A.B., M.A., Ed.D., Temple University

George T. Myers..Chemistry
    B.S. in Ch.E., Drexel Institute of Technology

FRANCIS J. NATHANS..ECONOMICS
    B.A., La Salle College
    M.A., University of Pennsylvania

E. RUSSELL NAUGHTON...PHILOSOPHY
    B.A., Providence College
    M.A., Ph.D., Catholic University of America

EDWARD J. NOLAN...MATHEMATICS
    B.Ch.E., Villanova University
    M.Ch.E., University of Delaware

REVEREND THOMAS P. NOLAN..THEOLOGY
    B.A., St. Charles Seminary

FRANCIS X. O'CONNOR..ACCOUNTING
    B.S., La Salle College

JOSEPH P. O'GRADY..HISTORY
    B.A., La Salle College
    M.A., University of Notre Dame
    Ph.D., University of Pennsylvania

MICHAEL A. O'MEARA..FINANCE
    A.B., Villanova

CHESTER V. ORLIK, C.P.A..ACCOUNTING
    B.S., Temple University

WILLIAM O'TOOLE...HISTORY
    B.A., La Salle College
    M.A., University of Pennsylvania

JOHN A. PAGLIEI...ACCOUNTING
    B.S., La Salle College

BENJAMIN J. PENSIERO..INDUSTRY
    B.S., Franklin and Marshall College
    M.B.A., Temple University

RAYMOND J. PIERZCHALSKI...PHILOSOPHY
    B.A., M.A., Catholic University of America
    Ph.D., University of Ottawa

EDWARD J. PINDER, C.P.A...ACCOUNTING
    B.A., University of Pennsylvania
    M.B.A., Drexel Institute of Technology

ROBERT K. PRESTON..CHEMISTRY
    B.S., Catholic University of America
    Ph.D., University of Maryland

ESTELLE PRICE...ENGLISH
    B.S., M.A., University of Pennsylvania

DANIEL J. RAGAN, C.P.A...ACCOUNTING
    B.S., La Salle College

JOHN F. REARDON..ACCOUNTING
    B.S., La Salle College
    M.B.A., University of Pittsburgh

L. THOMAS REIFSTECK...MARKETING
    B.S., La Salle College
    M.B.A., University of Pennsylvania

CHARLES F. RICKERT..ENGLISH
    Ph.B., Muhlenberg College
    M.S. in Ed., University of Pennsylvania

AUGUSTINE J. RIEFFEL...BUSINESS LAW
    B.S., La Salle College
    LL.B., Temple University

FREDERICK S. ROBINSON...English
    B.A., La Salle College
    M.A., Niagara University

JAMES W. RODGERS...English
    B.A., La Salle College
    M.Ed., Temple University

JOHN P. ROSSI..History
    B.A., La Salle College
    M.A., Notre Dame University
    Ph.D., University of Pennsylvania

ROBERT J. ROWLAND..English
    B.S., State Teachers College, Bloomsburg
    M.A., Bucknell University

ALEXANDER RUDHARDT ....History
    D.Pol.Sc., Ph.D., University of Vienna

LEO D. RUDNYTZKY...German
    B.A., La Salle College
    M.A., Ph.D., University of Pennsylvania

THOMAS J. RYAN, JR...Marketing
    B.S., La Salle College
    M.B.A., University of Pennsylvania

HARVEY SALZ...Physics
    B.E.E., M.E.E., Polytechnic Institute of Brooklyn

BROTHER JUDE SAPONE, F.S.C...Theology
    B.A., La Salle College
    M.A., Ph.D., University of Pittsburgh

HAROLD SCHWARTZ...Mathematics
    B.S., La Salle College
    M.S.E.E., Drexel Institute of Technology

JOSEPH L. SCHWARTZ, C.P.A...Accounting
    B.S., La Salle College

H. RICHARD SELTZER...Industry
    B.S. in E.E., M.A., Pennsylvania State University

RABAH A. SHAHBENDER..Physics
    B.E.E., Cairo University
    M.S. in E.E., Washington University
    Ph.D. in E.E., University of Illinois

LEONARD Y. SHAKT..Mathematics
    B.A., Brooklyn College
    M.A., Columbia University

CHARLES N. SHOWARD..Fine Arts
    B.M.. M.M., Peabody Conservatory of Music
    M.A., Ed.D., Columbia University

MICHAEL L. SIKORSKI...English
    B.A., La Salle College

JOHN C. SINGER...Insurance
    B.A., St. Joseph's College

FRANCIS X. SMITH..Fine Arts
    B.A., Phila. Museum College of Art

JOHN A. SMITH..Psychology
    B.A., La Salle College
    M.S., Pennsylvania State University
    Ed.D., Temple University

JOSEPH M. SPEAKMAN...HISTORY
    B.A., La Salle College

RICHARD F. STROSSER...PHILOSOPHY
    B.A., La Salle College
    M.A., Catholic University

GEORGE R. SWOYER...MARKETING
    B.S., La Salle College
    M.B.A., University of Pennsylvania

RICHARD A. TEODOSIO, C.P.A...ACCOUNTING
    B.S., Villanova University

RALPH R. THORNTON..ENGLISH
    B.A., Washington College
    M.A., Ph.D., University of Pennsylvania

GERALD A. TREMBLAY..ENGLISH
    B.A., Villanova University
    M.A., University of Pennsylvania

LOUIS T. USLIN..PHYSICS
    B.S. in E.E., Lehigh University
    M.S., University of Pennsylvania

JOHN O. VAN HOOK..CHEMISTRY
    B.S., Villanova University
    Ph.D., University of Maryland

WALTER VAN STAN..STATISTICS
    B.A., Harvard University

BERNARD J. VAUGHAN..FINANCE
    B.S., La Salle College

WILLIAM T. WALKER, III..HISTORY
    B.A., La Salle College
    M.A., Villanova University

ROBERT F. WEINMAN, C.P.A..ACCOUNTING
    B.S., La Salle College

JAMES J. WELSH..MATHEMATICS
    B.S., M.A., Villanova University

SAMUEL J. WILEY..MATHEMATICS
    B.S., St. Joseph's College
    M.A., Villanova University

ROGER A. WILLIAMS..INDUSTRY
    A.B., Middlebury College
    M.B.A., University of Chicago

PAUL WILSON..INDUSTRY
    B.M.E., Rensselaer Polytechnic Institute
    M.M.E., New York University
    M.B.A., Harvard University

MELVIN F. WOODS..FINANCE
    B.A., St. Vincent's College
    M.A., Temple University

HELEN YANKO..ENGLISH
    B.A., Chatham College
    M.A., University of Pennsylvania

LEO ZUCKOWSKY..EDUCATION
    B.S., M.S., Ph.D., University of Notre Dame

CHEW AVE.

17

11

12

13

14

STREET

OLNEY AVE.

15

17

COTTAGE LANE

16

OLNEY AVE.

TWENTIETH

2

3

4

7

8

9

6

5

10
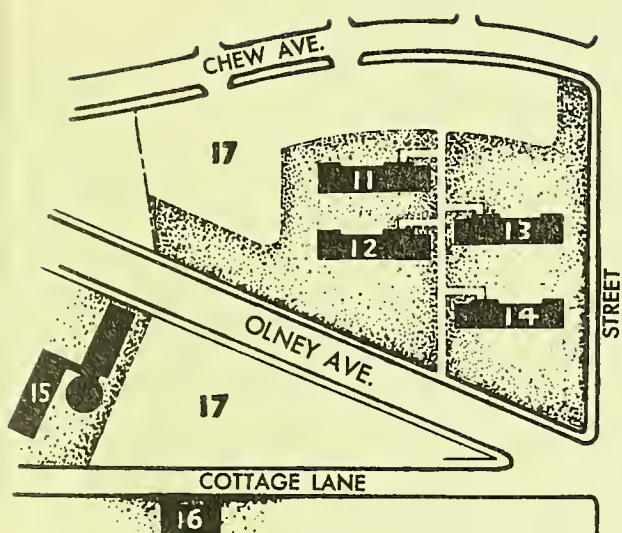
LA SALLE COLLEGE CAMPUS

LEGEND

1   Faculty Building and Community Chapel
2   College Hall
3   Library
4   Science Center
5   College Union Building
6   Wister Hall
7   McShain Hall
8   Leonard Hall
9   Benilde Hall
10   McCarthy Hall
11   St. Denis Residence Hall
12   St. Bernard Residence Hall
13   St. Cassian Residence Hall
14   St. Albert Residence Hall
15   Freshman Residence Halls
16   Senior Residence Hall
17   Parking Area